Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 134 SEPTEMBER 12, 1938 Number 11

RECEIVED
SEP 12 1938
LIBRARY

AQUA AMMONIA
DRUMS - CARBOYS - TANK WAGONS

MURIATIC ACID
CARBOYS - TANK WAGONS

A. H. MATHIEU & CO.
7-11 Getty Avenue, Paterson, N. J.
Telephone Sherwood 2-3080-1-2
140 Tremont Street, Everett, Mass.
Telephone Everett 2731

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA

CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

BICHROMATE OF SODA • BICHROMATE OF POTASH
CHROMATE OF SODA • CHROMATE OF POTASH • AM
AMMONIUM BICHROMATE • BICHROMATE OF POTASH
CHROMATE OF SODA • CHROMATE OF POTASH • AM
AMMONIUM BICHROMATE • BICHROMATE OF POTASH
BICHROMATE OF SODA
CHROMATE OF POTASH
AMMONIUM BICHROMATE
CHROMATE OF SODA • CHROMATE OF POTASH • AM
AMMONIUM BICHROMATE • BICHROMATE OF POTASH
BICHROMATE OF SODA
CHROMATE OF POTASH
AMMONIUM BICHROMATE
BICHROMATE OF POTASH
BICHROMATE OF SODA • CHROMATE OF POTASH • A
CHROMATE OF POTASH • BICHROMATE OF SODA • CH
BICHROMATE OF POTASH • AMMONIUM BICHROMATE

Make "Standard" Bichromates your Standard

PRIOR CHEMICAL CORPORATION
420 LEXINGTON AVENUE, NEW YORK
PHONE: Mohawk 4-9811 TELETYPE: NY-1-2054 CABLE: Priorchem, New York
Sole Selling Agents for
STANDARD CHROMATE DIVISION
Diamond Alkali Company, Painesville, Ohio

Established 1880
WM. S. GRAY & CO.
342 MADISON AVENUE
NEW YORK CITY
Cable Address: Graylime Phone: VAnderbilt 3-0500

ROSIN
TURPENTINE
Chemicals Solvents

SURFEX....
MULTI-PURPOSE PAINT INGREDIENT
Substantial savings in vehicle costs and reductions in grinding time are two of the practical economies obtained through using Surfex in paint formulation. This calcium carbonate is especially treated to improve wetability and lower oil absorption.
•
PURE CALCIUM PRODUCTS DIVISION
DIAMOND ALKALI COMPANY
BOX 407, PAINESVILLE, OHIO
(National Distributor) THE R. T. VANDERBILT CO. 230 Park Avenue, New York, N. Y.
(Metropolitan New York Distributor) D. H. LITTER COMPANY 500 Fifth Avenue, New York, N. Y.

PUBLICKER
COMMERCIAL ALCOHOL COMPANY
1800 W. LEHIGH AVENUE, PHILADELPHIA, PENNA.
MANUFACTURERS OF
ACETONE • BUTYL ALCOHOL
BUTYL ACETATE • AMYL ACETATE
ALCOHOL
Pure and Denatured

Guaranteed 99½% to 100% Pure
BORAX
BORIC ACID
Refined and U. S. P.
» Crystal » Granulated » Powdered » Impalpable »
» Calcined » Anhydrous »
Borax Glass Manganese Borate Ammonium Borate
Samples on request
PACIFIC COAST BORAX COMPANY
Dept. Q
51 Madison Avenue, New York
CHICAGO LOS ANGELES

Signalling a

WIDER CHOICE

of White-Leads

...Now 5 Different White-Leads to Meet Paint Manufacturing Requirements

You don't need a code book to understand this signal. Just count the flags . . . 1–2–3–4–5! With two new white-leads (now five in all) we are in a much better position to give the paint manufacturer *exactly what he wants!*

Our line starts with those two standbys, Dutch and Carter. Next comes H.T.S. with increased paint-thickening power, tinting strength and hiding power. Finally, there are the new 333 and 111 White-Leads, both having higher paint-thickening power, tinting strength and hiding power than any other white-lead on the market. For example, No. 111 rates about twice as high in these qualities as Dutch.

Remember that no matter which one of the five you choose, you can be sure of uniformity. Remember, also, that the more white-lead you use the better the paint. Step up the white-lead in your formula—and you automatically step up the quality and durability of your paint.

NATIONAL LEAD COMPANY

111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th Street, Chicago; 659 Freeman Avenue, Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 Twenty-fourth Street, San Francisco; National-Boston Lead Co., 800 Albany Street, Boston; National Lead & Oil Co. of Penna., 316 Fourth Avenue, Pittsburgh; John T. Lewis & Bros. Co., Widener Building, Philadelphia.

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 134 SEPTEMBER 12, 1938 Number 11

RECEIVED SEP 12 1938

Labor Standards Aids Named by Andrews

OPD Washington Bureau
September 7, 1938

Organization of the wage and hour division of the Department of Labor is advancing, and Elmer F. Andrews, administrator of the fair labor standards act, has announced the appointment of Paul Sifton, of New York, to be deputy administrator and Arthur B. Fletcher, of North Carolina, to be assistant administrator in charge of compliance. Another assistant administrator, a general counsel, and other officials probably will be appointed within a few days.

Mr. Sifton leaves the position of executive director of the division of placement of unemployment insurance of the New York State Department of Labor. A former newspaper man, he has been connected with the New York State Department of Labor since 1934. Mr. Fletcher comes to the division from the post of Labor Commissioner of North Carolina.

While the act will apply to all industries in interstate commerce October 24, Mr. Andrews hopes to complete before that date the appointment of a number of industry committees charged with the duty of increasing minimum wages above the statutory minimum of 25 cents an hour. Textile, tobacco, and dress industry committees will be the first appointed. Probably by October 1 the administrator will issue regulations required by the act, covering the definition of seasonal industries, apprentices, learners, handicapped workers, executives, and administrative and professional employees. He also plans to issue a general regulation as to the scope of the act, which will serve as a tentative guide in determining which industries are in interstate commerce, although final determination of this point will rest with the courts.

Drug Advertising Stopped by Court

OPD Washington Bureau
September 8, 1938

Upon application of the Federal Trade Commission, the United States District Court in Chicago has issued an order temporarily restraining the Hartman chain of drug stores in Chicago, and Harry Gorov (Isabella Laboratories), also of Chicago, from disseminating in any manner false advertisements concerning a weight reducing compound, designated "281", which they sell and which the commission alleges may be injurious to the health of the user by causing loss or serious impairment of eyesight. The preparation is alleged to contain dinitrocresol.

The court ordered the defendants to appear September 15 to show cause why a preliminary injunction should not be issued.

The bill of complaint is the first the commission has filed pursuant to the authority granted to it under the Federal Trade Commission act, as amended by the Wheeler-Lea act. The purpose of the action is to prevent the defendants' falsely advertising "281" until the commission has issued its formal complaint against them and until such complaint is dismissed by the commission or set aside by a United States Court of Appeals, or the order of the commission to cease and desist has become final. The commission states in its petition filed with the court that it is preparing and will issue its formal complaint against the defendants.

Mexico to Use Expropriated Oil For European Barter Deals

OPD Washington Bureau
September 6, 1938

The barter of Mexican oil for European industrial machinery threatens to close the Mexican market to substantial exports of United States products and is giving much concern to administration officials charged with the promotion of American export trade.

According to an authoritative source the Mexican government is contemplating the sale of oil to European countries, particularly Germany and Sweden, in exchange for complete industrial plants, including factories for the production of fertilizer, caustic soda, newsprint and paper, and if petroleum barter arrangements can be extended as planned the government will purchase in Europe practically all the heavy articles used in its socialization program, including material for the construction of irrigation, hydroelectric and highway projects, highway equipment, paper, tinplate, railway equipment, agricultural implements, pipe, and machinery of all types. These commodities have generally come from the United States in the past.

Practically all of the petroleum exported from Mexico since the American and British oil properties were expropriated in March has been under contract with Davis & Co. Up to July 31, this company exported 2,332,960 barrels of petroleum, practically all of which went to Germany and Sweden. The contract calls for a cash payment to the Mexican government of 40 percent and a materials credit of 60 percent of the value of the products. So far this contract has netted the Mexican government $1,000,000 in cash and materials credits to the value of more than $1,500,000, and if the contract continues until the end of the year it will involve an additional amount of more than $8,000,000, of which 40 percent will be in cash and 60 percent will be in credit. Already the Mexican government has obtained credit in Germany of 2,000,000 marks or about $800,000.

The cash obtained by the Mexican Government is badly needed for payments within that country, and practically none of it is available for the purchase of United States products. Moreover, because of exchange restrictions, much of the cash payment may be accompanied by requirements that it be spent in the country purchasing the oil.

Representatives of U. S. exporters have been told by Mexican government officials that American products could be sold only if Mexican oil is taken in exchange. Mexico expects to export close to 25,000,000 barrels of petroleum annually with an approximate value of $40,000,000, and if the present barter arrangement continues it will mean that Mexico will be required to purchase approximately $24,000,000 worth of merchandise from countries in which the petroleum products are sold.

Oil for Italian Rayon

It is learned that negotiations are under way for the exchange of Mexican oil for Italian rayon yarn, but that the contract has not yet been closed because the Italian government does not wish to pay any part in cash. Japan may also enter a barter arrangement if the price of oil at Mexican Gulf ports is sufficiently low to compensate for the longer haul through the Panama Canal as compared with

—Continued on page 54

Sulphanilamide, Aminopyrine, Cinchophen Held Dangerous

OPD Washington Bureau
September 8, 1938

The Food and Drug Administration is listing drugs dangerous to health under the directed conditions of use, and is preparing to enforce the section of the new food, drug and cosmetic act which declares that such drugs are misbranded.

General notices to the trade have already listed three drugs which are dangerous to health when distributed under labeling which may result in general use by the public and which are therefore subject to seizure when found in interstate commerce under the provision of section 502 (j) of the new law which went into effect June 25. These drugs are sulphanilamide, aminopyrine and cinchophen, as well as preparations containing them.

Aminopyrine and Cinchophen

The department states that although aminopyrine has been employed as a drug for forty years, and agranulocytosis has been recognized as a clinical entity for sixteen years, the role of aminopyrine as a most important causative factor in agranulocytosis has been recognized for but the past six years, but there is now no doubt that it is responsible for many deaths.

The notice regarding cinchophen, which also includes neocinchophen and related drugs, states that, since the introduction of cinchophen as a therapeutic agent thirty years ago, there have been many reports of toxic manifestations including acute yellow atrophy and cirrhosis of the liver, resulting in permanent damage and not infrequent deaths, and that the dangerous potentialities of this drug are now generally recognized by informed physicians. Neocinchophen is said to be generally similar in its effects.

Opinion on Sulphanilamide

The sulphanilamide notice declares that it is the consensus of qualified experts that this drug is valuable when the dosage is properly adjusted to the requirement of the individual patient, but that when used under other conditions it is a dangerous drug.

The proscription of the designated drugs is not absolute, being conditioned to the manner of their use. The opinion of the officials is qualified in this respect, as is shown in the notice with

—Continued on page 30

New Drug Clause Broadly Interpreted

OPD Washington Bureau
September 8, 1938

Although no additional rulings interpretative of the new drugs section 505 of the Copeland food, drug, and cosmetic act have been issued by the Food and Drug Administration, the officials quite evidently are planning to give this section the widest possible application, as was indicated in the regulations promulgated late in July (see the REPORTER for August 1). One high official of the administration stated today that he does not expect that the administration will reject a very large proportion of applications for the distribution of new drugs, but advised all manufacturers to file applications if they are in any doubt as to the applicability of this section.

There is considerable misunderstanding in the trade as to whether or not section 505 applies to a situation where an established manufacturer commences the production of a recognized drug not previously made by him. It is the opinion of officials of the administration that the exemption in the act (for a drug which was subject to the food and drugs act of 1906 prior to June 25, 1938) is a personal one and applies to manufacturers rather than to products.

Under this interpretation a new distributor proposing to market as well-known a product as castor oil of standard specifications and under the usual labels would technically be subject to the new drugs provision and would be required to file an application with the Secretary of Agriculture. In such cases, however, the application would be permitted to become effective automatically unless the product were recommended for some new use or in an unusual dosage. Established manufacturers beginning the production of an official U.S.P. or N.F. drug not heretofore made by them will also have to file applications under section 505 if this interpretation prevails; although prob-

—Continued on page 46

Drug Industry Wage Conference Scheduled

OPD Washington Bureau
September 8, 1938

A group of representatives of employers and employees in the drug, medicine and cosmetic industry have been invited to a conference in Washington September 14 by L. Metcalfe Walling, Administrator of the Division of Public Contracts of the Department of Labor, to discuss the possibility of determining minimum wages for government contracts under the terms of the Walsh-Healy act.

The conference is by invitation only and is not a public hearing, and will be devoted to an informal discussion of wage conditions within the industry, definition of the scope of the industry, and matters to be discussed at a public hearing if it is decided that minimum wages should be set for filling public contracts within the industry.

Patman Act Decision Appealed by Biddle

OPD Washington Bureau
September 7, 1938

The first test of the Robinson-Patman act has been placed before the Supreme Court of the United States through a petition for certiorari filed by the Biddle Purchasing Company asking review of the decision of the United States Circuit Court of Appeals for the Second Circuit, which upheld a cease and desist order issued by the Federal Trade Commission.

The order was based on section 2(c) which prohibits the payment of a commission or brokerage fee by a seller to the agent of the buyer except for services rendered. The Biddle company maintains a purchasing service for wholesalers and jobbers in the grocery trade and also conducts a market information service for its clients. The company contends that it is a true intermediary distributor, and that brokerage fees collected by it and passed on to dealers are actually for services rendered.

In addition, the company charges that, as applied to it, the Robinson-Patman act violates the due process clause of the constitution, and that there is no evidence that the transactions, covered by the commission's order have any effect on interstate commerce.

Patman Act Review Available in Pamphlet

The articles reviewing two years of the application of the Robinson-Patman act, which were published recently in the REPORTER, have been collected in pamphlet form. Copies may be obtained from this office at 10 cents each.

Closing Market Developments

Cottonseed Oil Easier

Cottonseed oil futures were easier late in the week, the trend of prices being downward on Friday on selling due to depressing political news from Europe and weakness in outside markets. October closed at 7.74c. and December 7.78c., showing a small loss as compared with the previous Friday.

N. J. Silk Strike Planned

Demand for dyestuffs and textile chemicals continued slow late in the week. This hesitation was attributed in part to threatened labor trouble in the New Jersey area. Workers in the broad silk mills in Paterson were reported planning to strike today in an effort to compel manufacturers to discuss the renewal of a contract with the Textile Workers Union.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Ammonia, Anhydrous:—Chile recently reduced the import duty to 1.25 gold pesos.

Cresol:—Italy has reduced the duty on pure cresol for the manufacture of synthetic resins from 880 lire to 36.70 lire when imported under regulations to be established by the Ministry of Finance.

Iceland Parcel Post.—Effective September 1, 1938, insured as well as ordinary parcels, up to the maximum weight of 44 pounds per parcel, will be accepted for mailing to Iceland, according to an announcement in the United States postal bulletin. The exchange of registered parcels between the United States and Iceland has been discontinued.

Margarin:—By a governmental decree Czechoslovak margin manufacturers are required in 1939 to work up 13,000 metric tons of rapeseed and 2,000 tons of soybeans in the manufacture of margarin and other artificial fats, the same quantities as were required to be purchased in 1938.

Medicinal.—Medicinal preparations of pharmaceutical specialties imported after January 1, 1939, will be refused entry unless the retail price is indicated on the face of the package. The import duty will be assessed on the price indicated.

Medicinal Products:—Japanese drug wholesalers have reduced prices on thirty-five products approximately 30 percent, at the request of the Welfare Minister. Among the products affected are ergot, vaseline, sanotin and creosote.

Orthotolyhydrazine:—The United Kingdom Board of Trade has received an application for temporary exemption from key industry duty of orthotolyhydrazine.

Pharmaceuticals:—Revised regulations governing the importation, manufacture and sale of pharmaceutical products in Rumania have been established. The revised regulations provide that, if a pharmaceutical specialty is sold under several forms, each form must be authorized separately by the Ministry of Health. Formerly one authorization was sufficient.

Eli Lilly Award Won by Syverton

San Francisco, Sept. 7, 1938

Jerome T. Syverton, assistant professor of bacteriology at the University of Rochester, has been awarded Eli Lilly & Co., pharmaceutical manufacturer, Indianapolis, prize of $1,000 and a medal given annually to the American scientist under thirty-one years of age who has made outstanding contributions to knowledge in the fields of bacteriology and immunology.

The research for which Dr. Syverton was honored was concerned with the filterable viruses, bacteria so small that they pass through the pores of very fine filters and are not visible with the greatest magnification possible. They include the infectious agents which cause such diseases as infantile paralysis, smallpox, and hydrophobia.

Chemical Prices Depressed Farther

There was but one advance among the price changes that affected sixteen items in the markets for heavy and fine chemicals last week. The reductions were diversified, but centered most on solvents.

Business showed some more improvement, demands being steady in most divisions, although only moderate quantities were called for. In some quarters there was evidence of the laying in of supplies in anticipation of the tying up of truck deliveries by strikes. The general view was that business would be going along with a steady pull.

The price of egg yolk was advanced.

Prices were reduced on amyl acetate from fusel oil in tankcar lots, diamyl acetate, dibutyl phthalate, tributyl phosphate, carbon tetrachloride, Straits tin, tetrachloride of tin, imported cresylic acid and crude naphthalene, gum rosin, egg albumen, mangrove bark, wattle bark, imported bonemeal, and feeding tankage at Chicago.

The REPORTER'S composite index number of prices for heavy and fine chemicals receded to 125.7—it was erroneously stated as 125.6 instead of 125.8 last week—(100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.0, compared with 90.2 at this time last year and 88.7 in 1936.

Contents of This Issue

News and Statistics

Alcohol Tax Difference Asked for Flavorings 5
Antiseptic Efficiency Increased by Acidity 46
Anchor Cap Moves in Chicago 46
Ascorbic Acid Data Published by Merck & Co. 27
Agricultural Products Useful as Insecticides 50
Cosmetic Color Data Requested by F.D.A. 5
Carbonated Beverages Bottlers Annal Meeting Oct. 31 46
Cosmetic Guaranty Form Suggested by T.G.A. 62
Coaltar Dyes Strength Standards Issued 30
Drug Advertising Stopped by Court. 3
Drug Industry Wage Conference Scheduled 3
Drug Business Outlook Called Encouraging 46
Drug Advertising Limited in Maryland 46
Drug Industry to Preview N.Y. Fair Exhibit Sept. 15 46
Dead Sea Potash Exports Increased. 55
Diamond Alkali Promotes 30
Dyestuffs Business Shows Improvement 29
Du Pont Co. Develops New Textile Dyestuffs 52
Freer Reappointed F.T.C. Member. 5
German Carbon Black Output from Anthracene Increases 47
Hubbard Joins Drug Products 44
Indiana Standard Oil Awards Pins to 1,312 Employees 47
Indo-American Trade Group Plans Luncheon 41
Indiana Standard Oil Wins Michigan Fair Trade Case 56
Louisiana Health Board to Seize Drugs 5
Labor Standards Aids Named by Andrews 3
Lilly Award Won by Syverton 4
Mexico to Use Expropriated Oil for European Barter Deals 3
Management Congress Offers Broad Views 5
Methacrylate Resins Explained to A.C.S. 38
Naval Stores 1939 Conservation Program Outlined 5
New Drug Clause Broadly Interpreted 3
N.P.V.L.A. Convention Details Being Perfected 56
Oxidation Processes Described 46
Patman Act Decision Appealed by Biddle 3
Patman Act Review Pamphlet Available 3
Powell New Director of Social Security Board 5
Pyrethrum Exporters Organizing in Japan 5
Petroleum Market Status 53
Penna. Salt Co. Distributing Liquid Chlorine Bulletin 30
Plastic, Coldwater Paint Calcimine Sales Off 38
Paint Styling Surveys Analyzed by Committee 38
Pinchin Johnson & Co. Starts Retirement Pension Plan 38
Petroleum Production 54
Paint, Varnish, Lacquer Sales Off .. 52
Rich Joins Hays-Taylor, Inc. 38
Sulphanilamide, Amidopyrine and Cinchophen Held Dangerous Drugs 3
Small Business Men to Meet Sept. 13 4
Soda Hexametaphosphate Potent Scale Preventer 4
Searle Adds to Research Staff 46
Sal Ammoniac Used as Fertilizer in Chosen 30
Standards Bureau Discusses 'Bottled' Petroleum Gases 54
Soybean Oil Found Good Paint Vehicle 47
Sherwin-Williams Names Yager South Central District Head 47
Trade Association Probers to Meet in N. Y. 5
U.S. to Aid in Selecting Permanent Opium Board 4
Vitamin Preparations Placed in Penna. College Cornerstone 46
Whalen Guest Speaker at N.W.D.A. Banquet 5

General Features

Advertisers' Index 63
Bids Wanted 62
Chemical Price Trends 4
Classified Advertisements 62
Closing Market Developments 4
Contracts Awarded 62
Corporation Earnings ..... —
Dividends Declared 62
Editorials 22
Foreign Trade Openings 61
Foreign Trade Rules 4
Industrial Uses of Chemicals 37
Obituaries 48
Prices Current 7
Scientific, Professional Services .. 47
Trade News Briefs 36, 52, 54
What You Can Use 52
Where You Can Sell 37

Market Reports

Botanical Drugs, Spices, Gums ... 49
Coaltar Chemicals 28
Drugs and Fine Chemicals 43
Dyestuffs, Textile and Leather Chemicals 27
Essential Oils and Aromatics 51
Fertilizer Materials 55
Heavy Chemicals 24
Oils, Fats and Waxes 39
Paint, Varnish, and Lacquer Materials 31
Petroleum Solvents, Lubricants, Fuels 53

Shipping Information

Cargo Ship Arrivals 61
Charters 61
Coastwise Shipments 61
Exports 59
Imports 57
Imports Detained 61

Oil, Paint and Drug Reporter, Volume 134, No. 11, September 12, 1938. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 59 John Street, New York. Annual subscription price:—United States, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

Small Business Men To Meet Sept. 13

The National Small Business Men's Association will hold its initial convention in Pittsburgh, September 13 to 16. More than a thousand delegates are expected from forty States. Dewitt M. Emory, Akron, Ohio, will preside.

The delegates will be addressed on labor, business problems, taxation, legislation and agriculture by authorities. Subcommittees will be formed, and a set of resolutions will be drawn up with the idea of formulating a definite program for the association. The association was originally incorporated in March, 1938, as a non-profit organization.

U.S. to Aid in Selecting Permanent Opium Board

OPD Washington Bureau
September 6, 1938

The American government has accepted the invitation of the League of Nations to participate in the selection of members of the Permanent Central Opium Board. It will propose nominees to succeed the eight members of the outgoing board whose terms expire December 14, 1938, and has designated Leland Harrison, American Minister to Switzerland, to act with the council of the league sitting as an electoral body to make the selections.

In explaining this action, the State Department said that the Permanent Central Opium Board is independent of the League of Nations in performing its functions. Its connection with the league is found in the fact that the league provides the board's clerical staff and in that the board's members are chosen by the league council acting as an electoral body for that purpose in conjunction with a representative of the United States in case the American government sees fit so to co-operate.

Although the board was set up under a treaty to which the United States is not a party, Geneva Drug Convention of 1925, it is entrusted with important functions under a treaty which the United States has ratified—the Narcotics Limitation Convention of 1931.

As the largest legitimate consumer of opium and the coca leaf and as the largest market for narcotic drugs in the illicit traffic, the United States is vitally interested in and directly affected by the work of the board.

Soda Hexametaphosphate Potent Scale-Preventer

The efficacy of hexametaphosphate to prevent the depositing of calcium carbonate scale by hard waters was related at the Milwaukee meeting of the American Chemical Society September 7 by Owen Rice, E. P. Partridge, and G. B. Hatch, of the Hall Laboratories, Pittsburgh, in two papers. The authors said that as little as one pound of the hexametaphosphate in 1,000,000 pounds of water would prevent the deposition of scale in filters, pipelines, and condensers in municipal waterworks, in distillery apparatus, in petroleum refineries, in steam power plants, in laundries, in textile processes, in tanning, and in dish-washing.

Hexametaphosphate of soda is a vitreous, rather than a crystalline, substance. It was first studied in 1833 by the British chemist, Thomas Graham, but its industrial possibilities were not developed until 1930, when Dr. R. E. Hall and his associates applied its water-conditioning properties.

One of the major uses of the hexametaphosphate is in what is called the threshold treatment of water supplies. This treatment, the Hall Laboratories chemists said, was started in California, where manufacturers of liquid ammonia wished to use their product as a fertilizer in the irrigation water supplied to the citrus groves. However, when ammonia was added to the hard water available for irrigation, it caused the precipitation of calcium carbonate in the valves and distributing lines, so that for a while the venture seemed doomed. A long search in the laboratory revealed that hexametaphosphate of soda would effectively prevent this scaling of the lines.

The real surprise came when the investigators tried to find the minimum amount of the metaphosphate which

—*Continued on page* 30

Management Congress Offers Broad Views

With more than one hundred additional delegates coming from abroad this week, approximately 250 representatives of thirty foreign countries will be on hand in Washington September 19, to join 2,000 American business executives and management experts in augurating the Seventh International Management Congress, a triennial event for which American management is serving as hosts this year for the first time.

Sponsored by twenty-five American organizations and societies interested in the advancement of management practice and technique, the five-day congress sessions will cover discussion of more than 200 papers prepared by management experts, business executives, and leaders from this country and abroad.

The large number of foreign countries represented among the participants will provide an international view of what congress officials have termed "a needed opportunity to appraise the social and economic results of management's work, and to discern its future course under rapidly changing conditions and new concepts of management's responsibility to employees, stockholder, the consumer, to government and to the public at large."

Lord Leverhulme, governor of Lever Brothers, Ltd., is president of the International Committee of Scientific Management, under whose auspices the sessions are to be held. Among other representatives of chemical, oil, and drug interests who will have an active part in the proceedings are:—

Lawrence A. Appley, direction of training, Socony-Vacuum Oil Company.

A. Basch, general manager, United Chemical & Metallurgical Works, Czechoslovakia.

Oliver F. Benz, director of sales, cellophane division, E. I. duPont de Nemours & Co.

I. J. Berni, office manager, Procter & Gamble Company.

Charles J. Brand, executive secretary and treasurer, National Fertilizer Association.

Ernest Briggs, chairman, Port Sunlight, Ltd., England.

Lee H. Bristol, vice-president, Bristol-Myers Company.

Lewis H. Brown, president, Johns-Manville Corporation.

Dr. Karl T. Compton, president, Massachusetts Institute of Technology.

F. A. Countway, president, Lever Brothers Company.

Robert F. Elder, manager advertising research, Lever Brothers Company.

M. B. Folsom, treasurer, Eastman Kodak Company.

Dr. Charles N. Frey, Fleischmann Laboratories, Standard Brands, Inc.

William H. Gesell, executive vice-president, Lehn & Fink Products Corporation.

Jacob Ingvartsen, Aarhus Oliefabrik, Denmark.

R. D. Keim, vice-president, E. R. Squibb & Sons.

H. H. Longman, Lever Brothers, Ltd., England.

Frank W. Lovejoy, sales executive, Socony-Vacuum Oil Company.

Robert L. Lund, executive vice-president, Lambert Pharmacal Company.

F. F. McCartney, staff controller, Lever Brothers, Ltd., England.

R. Lloyd Roberts, chief labor officer, Imperial Chemical Industries, Ltd., England.

Dr. H. G. Sherman, professor of chemistry, Columbia University.

R. S. Uhrbrock, industrial relations division, Procter & Gamble Company.

P. G. Wharton, general auditor, Atlantic Refining Company.

M. Woosnam, Imperial Chemical Industries, Ltd., England.

Among the contributors to the financial support of the conference are the Bristol-Myers Company, the Celluloid Corporation, the Lever Brothers Company, Mathieson Alkali Works, Charles Pfizer & Co., the Procter & Gamble Company, and the Vicks Chemical Company. Inspection visits of plants and offices will be apart of the program, these will embrace, among others, the Lehn & Fink Products Corporation, the Lever Brothers Company, and the Procter & Gamble Company.

Freer Reappointed F.T.C. Member

OPD Washington Bureau
September 6, 1938

Robert E. Freer, Cincinnati, Ohio, has been reappointed by President Roosevelt for a seven-year term as a member of the Federal Trade Commission. He was originally appointed a member of the commission in 1935, to fill the unexpired term of George C. Matthews, which term expires September 25, 1938.

Trade Ass'n Probers To Meet in N. Y.

A meeting of New York trade association executives will be held in this city in mid-September. The meeting is planned in connection with the monopoly investigation being conducted by the Department of Commerce. Calvert Judkins, chief of the trade association section of the department, and Dr. Willard Thorpe, head of the monopoly investigation for the department, will explain to the trade associations' executives what the monopoly investigators want of them.

A questionaire will be sent out between September 15 and September 20 by the Department fo Commerce to all national and interstate trade associations, according to Mr. Judkins. This questionaire, Mr. Judkins explained at a meeting of Washington trade association executives September 7, has been prepared by the Department of Commerce with the collaboration of the representatives of five other Federal departments participating in the monopoly inquiry, and it will seek to obtain from approximately 2,000 trade associations data which will give a complete picture as the operations of these organizations. A series of meetings with trade association executives will be held throughout the country.

A request for the opportunity to present statistics and other data covering "the effect of the cooperatives in preventing monopoly price-fixing" has been made to the joint committee investigating monopoly by the Cooperative League of the United States.

Powell New Director of Social Security Board

OPD Washington Bureau
September 6, 1938

Oscar M. Powell, of San Antonio, Texas, has been appointed executive director of the Social Security Board, succeeding Frank Bane, who resigned to become executive director of the Council of State Governments, with headquarters in Chicago. Mr. Powell will take office November 1, the date on which the resignation of Mr. Bane becomes effective.

Mr. Powell, a native of Louisiana, has resided in San Antonio for more than twenty years. He has been director of region X of the Social Security Board since the board was first organized. He is a graduate of the University of Texas, and a member of the American Bar Association.

Pyrethrum Exporters Organizing in Japan

OPD Washington Bureau
September 8, 1938

Japanese exporters of pyrethrum will organize a guild shortly, according to a report in the *Nikkan Kogyo Shimbun (Daily Industrial News)*, Osaka, transmitted to the Department of Commerce by the office of the commercial attache in Tokio.

As further particulars of the project, the publication says:—

Pyrethrum is being produced in large quantity in Africa. It promises to be exported in fairly large amounts to the United States and threatens to become a great rival to the Japanese product.

It has become necessary for Japanese producers and exporters of pyrethrum to improve the quality of exports, and for this purpose standardization will be the first move. This has prompted Kantaro Ueyama, Osaka, and Sasuke Nagoaka, Kobe, who are well known in pyrethrum export circles, to persuade forty-five others interested in this industry to organize an export guild in accordance with the foreign trade guild law.

The guild's own testing house will be established to look after all affairs concerning the exportation of pyrethrum on an improved basis. Its head office will be established in Kobe.

Japanese exports of pyrethrum in 1937 are reported to have had a total value of 7,693,393 yen; most of the exports came to the United States.

Whalen Guest Speaker At N.W.D.A. Banquet

Grover A. Whalen, president of the New York World Fair Corporation, will be a guest speaker at the annual banquet of the National Wholesale Druggists' Association at White Sulphur Springs, West Va., September 29. Mr. Whalen will discuss the drug industry's participation in the fair.

Naval Stores Conservation Program Outlined for 1939

OPD Washington Bureau
September 8, 1938

The 1939 program for naval stores conservation and benefit payments will be discussed at a meeting of producers and government officials called for September 16 in Jacksonville, Fla.

A proposed program has already been drawn up in tentative form and was discussed at conferences here last week between a committee of the American Turpentine Farmers Association and representatives of the U. S. Forest Service and the Community Credit Corporation.

The tentative plan calls for continuation of the 1938 program of conservation, benefit payments, and commodity loans on substantially the same basis, but is designed to curtail production next year by approximately 100,000 units in order to reduce the surplus accummulated this season as a result of favorable weather and good labor conditions. The estimated 1938 production is between 520,000 and 530,000 units. The 1939 program is estimated to cost a maximum of $1,500,000 as compared with an estimated cost for the 1938 program of $1,300,000 and actual payments this year of approximately $1,000,000.

The tentative program calls for paying producers only one-half cent per face for faces operated continuously during the season, as compared with one cent per face during the present year. There is no change in the payment of five cents per face for each face taken out of operation, but the conditions for receiving this latter payment are stricter than heretofore. A new provision reduces payments for working virgin faces on trees less than 10 inches diameter at breast height, and it is also required that operators discontinue working all faces that measure more than 90 inches in height except where this would be more than 30 percent of the entire operation.

While the interest of the Forest Service is primarily to promote conservation, officials admit that the proposed 1939 program is frankly aimed at a curtailment of the crop. They declare that improved working methods brought about by earlier programs have increased the yield of naval stores and at the same time have been a great aid to conservation, particularly since trees less than nine inches in diameter are no longer worked by co-operating producers. Approximately 80 percent of the naval stores producers are co-operating in the 1938 program.

The tentative outline for the new program, which has not yet had official approval, is as follows:—

Performance Requirements

(1) No old faces to be worked on trees less than 9.0 inches d.b.h.

(2) No virgin faces to be worked on trees less than 9.0 inches d.b.h.

(3) Reduction in payment to operator to be made at ½ cent per face for all virgin faces worked if any virgin faces are on trees less than 10.0 inches d.b.h. No such reduction in payment will be made of all virgin faces are on trees 10.0 inches d.b.h. or larger.

(4) Not more than one face to be worked on any tree between 9.0 and 14.0 inches d.b.h.

(5) Each participating operator in the program shall make a reduction in operating faces during 1939, using as 100 percent the number of faces operated by him in 1938 as follows:—

(a) The operator shall discontinue working on all faces which measure more than 90 inches in height, averaged by drifts or tracts, at the beginning of the 1939 season, provided that work need not be discontinued on such faces (more than 90 inches in height) to an extent exceeding 30 percent of the number of all his faces operated in 1938 or participating in the 1938 program.

(b) If the number of his faces operated in 1938 or participating in the 1938 program that are more than 90 inches in height at the beginning of the 1939 season, in relation to the total number operated in 1938 or participating in the 1938 program, ranges from: Faces more than 90 inches high: 0.0 to 10.0 percent; 10.1 to 20.0 percent; 20.1 to 30.0 percent; 30.1 or more percent. Then the operator shall discontinue operation on a number of faces, less than 90 inches in height at the beginning of the 1939 season, that shall not be less than the following corresponding proportion of the faces operated in 1938 or participating in the 1938 program:

—*Continued on page* 36

Cosmetic Color Data Requested by F.D.A.

OPD Washington Bureau
September 8, 1938

Manufacturers of coaltar dyes have been asked to send the Food and Drug Administration immediately a list of all dyes now sold to cosmetic manufacturers in order that the administration may begin its work of certifying dyes for use in cosmetics as required by the food, drug, and cosmetic act after June 25, 1939.

Dye certification has been applied to foods for the past thirty years, but there are only fifteen approved food dyes; it is estimated that more than 150 dyes are used in cosmetics. Because of the physical difficulties in making thorough laboratory tests of this many dyes before the act becomes effective, the administration is hoping to keep the initial list to the minimum number required by the industry.

The request to coaltar dye manufacturers reads as follows:—

The recently enacted food, drug, and cosmetic act requires that all coaltar dyes used in foods, drugs, and cosmetics be from batches certified by the Department of Agriculture in accordance with regulations authorized by the act. This requirement becomes effective June 25, 1939. That cosmetic manufacturers may not be handicapped in production it is essential that supplies of certified dyes be available to the industry before the effective date of the act.

The Food and Drug Administration is now making preparations for the expansion of the existing food color certification plan to include coaltar colors intended for use in drugs and cosmetics. To permit adequate consideration of the

—*Continued on page* 30

Louisiana Health Board To Seize Drugs

New Orleans, Sept. 6, 1938

Today is the deadline for the registration for the current year of drugs, cosmetics, and foods, required by the act of 1936 with respect to these articles when offered for sale in Louisiana. Dr. J. A. O'Hara, president of the State board of health and commissioner for administration of the food, drug, and cosmetic act, gave notice a week ago that manufacturers who failed to register their products by today would be prosecuted and their products seized wherever offered for sale.

The board estimates that 1,400 manufacturers amenable to the act are delinquent in registration. The annual registration period is from August 1 to September 1, but it was extended to cover the Labor Day holiday period. Up to the end of 1937 registrations were filed by 3,277 manufacturers. Up to September 1, this year, only 1,900 registrations have been ffled.

Alcohol Tax Difference Asked for Flavorings

OPD Washington Bureau
September 8, 1938

A recommendation that future revenue legislation provide for a tax on nonbeverage alcohol at a rate lower than on beverage alcohol has been made to the Treasury Department by John S. Hall, general counsel for the Flavoring Extract Manufacturers' Association of the United States. Mr. Hall recently conferred with John W. Hanes, Assistant Secretary of the Treasury, and W. H. Kennedy, Assistant Deputy Commissioner of the Alcohol Tax Unit of the Bureau of Internal Revenue, and further conferences between treasury officials and representatives of the association probably will be scheduled in the near future.

Mr. Hall reported that the officials were interested in the proposal, but they declared that, if a tax differential is made, it would probably be necessary to impose a permit and supervisory system over nonbeverage alcohol users in order to safeguard the revenue.

The association is preparing a digest of the alcohol tax laws of foreign countries showing their methods of control over industries using alcohol for nonbeverage purposes.

MANUFACTURERS OF: BISMUTH SUBCARBONATE . . BISMUTH SUBGALLATE . . BISMUTH SUBNITRATE AND OTHER BISMUTH SALTS . . BRUCINE ALKALOID . . BRUCINE SULFATE . . ALL SALTS OF CINCHONA ALKALOIDS . . CODEINE ALKALOID . . CODEINE PHOSPHATE . . CODEINE SULFATE . . IODINE RESUBLIMED . . IODOFORM . . MENTHOL-Y . . MORPHINE ALKALOID . . MORPHINE SULFATE . . OPIUM GUM (Gran. and Powd.) . . POTASSIUM IODIDE (Cryst.—Gran.—Powd.) . . QUININE SULFATE AND OTHER QUININE SALTS . . STRYCHNINE ALKALOID . . STRYCHNINE SULFATE . . THYMOL IODIDE . .

THE NEW YORK QUININE AND CHEMICAL WORKS, INC.

99-117 NORTH ELEVENTH STREET, BROOKLYN, N. Y.

ST. LOUIS DEPOT . . . . . 915 MARKET STREET

Current Market Quotations

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd....lb. .16 - —
Acetamide, CP, kgs., 1,000 lb. lots, dlvd..lb. .44 - —
tech., kgs, 1,000 lb. lots, dlvd. lb. .39 - —
Acetanilide, tech., 95%, bbls..lb. .29 Nom.
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs, 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¾- —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kegs, 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l.....lb. .08¾- —
l.c.l. .....lb. .09 - .12
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys..100 lbs. 14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs. 10.25 -10.50
cbys. .....100 lbs. 10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.68 - 9.18
USP, al. dms.....100 lbs. 10.25 -10.50
cbys. .....100 lbs. 10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11⅛
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .60 - —
boxes, 25 lbs.....lb. .61 - —
kgs., 100 lbs.....lb. .60 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.00 - 3.25
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
U.S.P., $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, cns.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17½- .18
Chinawood oil, dms.....lb. .16 Nom.
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N. Y..lb. .15¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .22 - —
10,000 lb., lots, one shipt., lb. .22½- —
smaller lots .....lb. .23 - —
kegs .....lb. .23¼- —

Acid, citric, anhyd., gran, dms., 10,000 lbs. 1 shipt..lb. .25 - —
smaller lots .....lb. .25½- —
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls. .....lb. .57 - —
Coconut oil, dist., dms.....lb. .09¼- .09¾
Corn, dist., dms.....lb. .08¾- .09¾
Cottonseed oil, dist., dms....lb. .06¾- .07¼
tanks .....lb. .06¼- —
Cresylic, high-boil, dom., c.l., works, frt. equaled..gal. .73 - —
l.c.l., same basis.....gal. .74 - —
low-boil, dms., c.l., works frt. equaled..gal. .78 - —
l.c.l., same basis.....lb. .80 - —
imported, pale, dms.....gal. .65 - .80½
dark, dms. .....gal. .60 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital))
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1246
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200-lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls. .....lb. .45 - —
Hempseed oil, dms.....lb. .1180- .1225
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys. .....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11¾
plastic grade .....lb. .12¼- .13¾
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12⅝
plastic grade.....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22⅝
USP, XI, 85%, cbys.....lb. .43 - .45
USP VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .11¾- .12¼
Laurent's, bbls. .....lb. .45 - —
Levulinic, 5lb. bots., works..lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1030- .1080
extra white, dist., dms....lb. .12½- .13
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., l.c.l.....lb. .33 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., USP, dealers, cbys....lb. .06¼- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280, dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —

Acid, nitric, 38°, cbys., c.l., E. works..100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .06¾- .06¾
tanks .....lb. .05¾- —
Perilla, dist., dms.....lb. .14 - .14¼
Phenylacetic, bots. .....lb. 1.75 - 3.00
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys, 180 lbs..lb. .12 - —
50% s. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10% dilut., cbys., djns..lb. .07 - .07¼
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst, cns.....lb. 1.45 - 1.65
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .35 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls. works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .09 - .09¼
Stearic, distil., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd.lb. .13½- .14½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys., lb. .06¼- —
9-lb. bots. .....lb. .16½- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.-100-lb. lots .....lb. .90 - —
25-lb. lots .....lb. .93 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots .....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .27¼- —
smaller quantities.....lb. .27¾- —
kgs. .....lb. .28¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. 2.60 - 2.85
tech., kgs., works.....lb. 1.65 - 1.75
Aconite, leaves, bls.....lb. .25 - .26
Root, bls.....lb. .28 - .30
Aconitine, amorph., bots.....oz. 17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz. 30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. .85 - .90
2, bls. .....lb. .80 - .85
3, bls. .....lb. .63 - .65
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld. ..lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
lots..lb. .88 - —
smaller lots, same basis. lb. .18 - —
light, dom., flake, dms., f.o.b., Chicago., frt. alld. lb. .52 - .60
import, bgs. .....lb. .50 - —
Egg, ed., dom., cryst., bbls., lb. .78 - .80
dom., pwd., dms., bbls., lb. .83 - .85
import, cs.....lb. .78 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .116 - —
l.c.l., frt. alld.....lb. .126 - —
tanks, frt. alld.....lb. .106 - —
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —

Acacia—Alum

Alcohol, butyl, normal, dms., c.l., frt. alld..lb. .09½- —
l.c.l., frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .09½- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms....lb. .07½- —
tanks, same terms.....lb. .06 - —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100 lb. dms....lb. .55 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots. .....lb. 2.00 - 2.90
Denatured, CD14, dms., c.l., works, E..gal. .33 - —
l.c.l., works, dms., to jobbers..gal. .36 - —
works, dms., to dealers and industrial accounts, gal. .38 - —
tanks, E., works.....gal. .25 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .30 - —
19 bbls., E. works...gal. .32 - —
1 to 18 bbls., E. works, gal. .35 - —
dms., c.l., E. works....gal. .29 - —
19 dms., E. works...gal. .31 - —
1 to 18 dms., E. works, gal. .34 - —
tanks, E. works.....gal. .23 - —

Anhydrous, 5c. per gal. higher.

SD23-G, works, E., dms.,.c.l., 19 dms. .....gal. .35½- —
1 to 18 dms.....gal. .38½- —
tanks .....gal. .27½- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c.l., E. works..gal. .30 - —
20 dms., E. works...gal. .32 - —
1 to 19 dms., E. works, gal. .35 - —
tanks, E. works.....gal. .24 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt., alld..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tanks, dlvd. .....lb. .10½- —
tech., contract, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, dlvd. .....lb. .09½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.56½- —
19 bbls. .....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l. .....gal. 4.55½- —
19 dms. .....gal. 4.57½- —
1 to 18 dms. .....gal. 4.60½- —
tanks .....gal. 4.49½- —
absolute, dms., c.l...gal. 4.88 - —
19 dms. .....gal. 4.90 - —
1 to 18 dms.....gal. 4.93 - —

Grain alcohol 25c. per gal. higher

Furfuryl, tech., cns., works..lb. .55 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary; dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies..lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Isopropyl, refd., 91%, dms., c.l., f.o.b. dest..gal. .33½- —
l.c.l., same basis.....gal. .38½- —
tanks, same basis.....gal. .28½- —
99%, dms., c.l., same terms, gal. .36 - —
l.c.l., same terms....gal. .41 - —
tanks, same terms.....gal. .31 - —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 4.25
Propyl (see Isopropyl)
Propyl, normal, dms., works. gal. .70 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., dlvd..lb. .20 - —
5 and 10 gal. dms., dlvd....lb. .22 - —
Aletris root, bgs.....lb. .40 - .43
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .20 - .22
Curacao, cs.....lb. .36 - .37
gourds, bbls.....lb. .50 - .55
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls.....lb. 2.65 - —
100-lb. kgs.....lb. 2.67 - —
25-lb. fib. dms.....lb. 2.74 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bbls....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - —
dlvd. N.Y. Phila....100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - —
dlvd., N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - —
dlvd. N. Y., Phila..100 lbs. 3.55 - —
Alum, ammonia, powd., bbls, works..100 lbs. 3.55 - —
dlvd., N. Y., Phila...100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse

Alum—Areca Nuts

deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or wx warehouse.

Potash, gran., bbls., works.. 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila..100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00

Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
13%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs, works..lb. .07 - —
1,100 to 11,000 lbs., works. lb. .08 - —
140 to 875 lbs., works.lb. .09 - —
100 lbs. or less, works.lb. .10 - —
Alumina, chloride, cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l. ... works.....lb. .06½ —
Alumina chloride solution, 32 deg., cbys., c.l., works, lb. .02¾- —
l.c.l., cbys., works .... —
Formate, 30% solut., bbls. lb. .... —
l.c.l., dlvd.. lb. .... —
Hydrate, heavy, bbls., c.l., works lb. 0290 —
l.c.l., bbls..... lb. 04½ —
bgs., c.l..... lb. 0260 —
light, bbls., dlvd..... lb. 12 —
Oleate, dms., contr.... lb. 16¾- —
open order..... lb. 17½- 18½
Palmitate, precip., bbls..... lb. 23 - —
Resinate, precip., dms., dlvd.lb. 15 - —
Stearate, precip., bbls., ctns., c.l..lb. 19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. 21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.15 - —
l.c.l., works, frt. equald 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - —
l.c.l., works, frt. equald. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works.. 100 lbs. 1.30 - —
l.c.l., works....100 lbs. 1.55 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., works.....100 lbs. 1.75 - —
Aluminum, 98-99%, c. l.....lb. .20 - —
l.c.l. ..... lb 21 - —
paste, lining, extra fine, dms., 1,500 lbs lb. 65 - —
ink, dms., 1,500 lbs lb 75 - —
standard, dms., 1,500 lbs. lb 43 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb 57 - —
Aluminum, powder, litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs.. lb. .57 - —
standard, dms., 1500 lbs..lb. .42 - —
rubber compound, lms., 1,500 lbs lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .42 - —

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 10c. per lb. higher for less than 200 lbs., 5c. per lb. higher for 200-400 lbs., 2c. per lb. higher for 400,-1,000 lbs., and 1c. per lb higher for 1,000-1,500 lbs., for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 500 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs., 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lbs., on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, lms .....oz.17.00 -36.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd .....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, refrigeration, 50,000 lbs.) works lb. ....

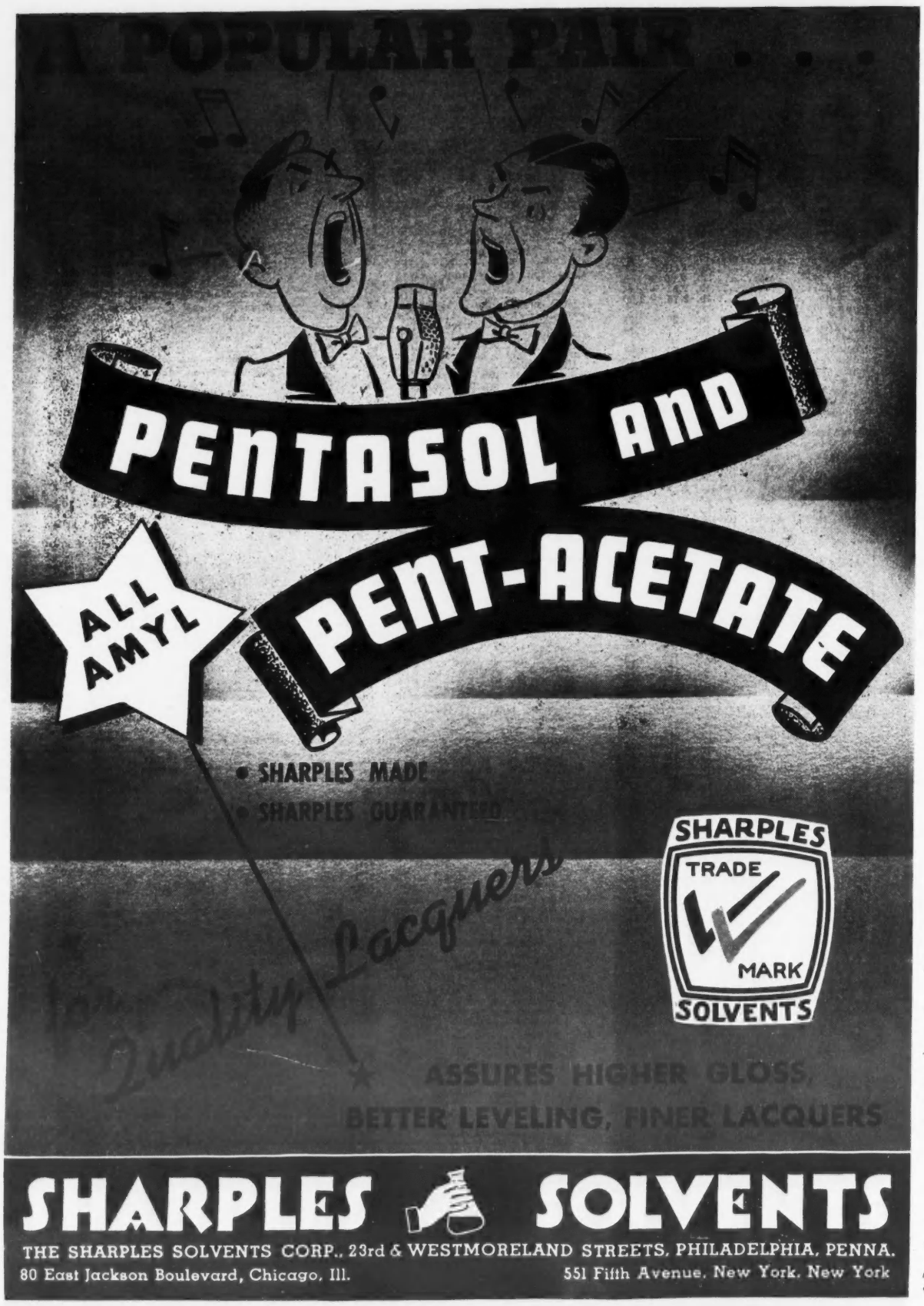
Ammonia, anhydrous, refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. 16 - .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and tank point prices in all States

Ammonia aqua, 26°, cbys.....lb. .05 - —
dms., c.l.....lb. .02 - —
l.c.l. .....lb. .02¼- —
Basis (as NH_3 content), dlvd., E..lb. .05½- —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .13
100 lb. kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydrate (see Ammonia, aqua)
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. .... -
Iodide, 5-lb. bots.....lb. 3.52 - —
jars .....lb. 3.45 - —
Laurate, bbls. .....lb. .25 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - .15
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthenate, bbls. .....lb. 17 - —
Nitrate, tech., bags., c.l., works...100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms.....lb. .14 - .15
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .87 - —
kgs. .....lb. .89 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade). 11% N 15% phos. bulk, f.o.b. E. works unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .15 - —
Salicylate, U.S.P., kgs lb. 1.15 - 1.20
Silicofluoride, imp., 350-lb. bbls., f.o.b. N. Y..lb. .09 - —
5 bbls., same basis.....lb. .08½- —
Stearate, anhydrous.....lb. .22 - —
paste .....lb. .07 - —
Sulphate, dom., bulk, c.l., f.o.b. September shipt....ton.27.00 - —
October shipt.....ton.27.25 - —
November shipt....ton.27.50 - —
December shipt.....ton.27.75 - —
Jan.-June, 1939 shipt., ton.28.00 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 35-40%, basis 100%, dms,, works..lb. .12 - .18
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom,, bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks. .....100 lbs. 4.90 - 5.05
Amyl acetate, ex fusel oil lms c.l., dlvd..lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09½- —
cns., works.....lb. .15 - .17
ex pentane, dms., frt. alld.lb. .11 - —
l.c.l., frt., alld.....lb. .12 - —
tanks, frt., alld.....lb. .10 - —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable .lb. 75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .18 - .20
import, natural, bls.....lb. .20 - .22
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .16½- .17
Star, bgs. .....lb. .12¾- .13¼
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07½- .08
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .11¼- —
Needle, powd., ton lots, bulk, lb. .12½- —
bbls. .....lb. .13½- —
Oxide, bbls., c.l.....lb. .11¼- —
l.c.l. .....lb. .12¼- —
Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld to ½c..lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls .....lb. .18 - .20
triple, bbls.....lb. .18 - .20



Areca nuts, powd., bbls.....lb. .11 - .13
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos.32.00 -34.00
Arnica flowers, bls.....lb. .28 - .30
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08 - .08¾
bbls .....lb. 08½- ..
Arsenic, metal, lump, cs.....lb. .40 - .41
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.35 - —
jars .....lb. 5.20 - —
Red, import, cs.....lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 -
l.c.l. .....lb. .03¾-
Asafetida, cs. .....lb. .25 - .26
powd., bbls., bxs.....lb. .38 - .42
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .08½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 -
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.51.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados)
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal, .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif, refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.90
cns. .....oz. 2.80 - —

B

Balm of Gilead buds, bgs....lb. .25 - .28
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%-96%, grd., bgs., c.l., works, ton.41.00 -43.00
99% thru, 200, mesh bgs., c.l., works..ton.43.00 -45.00
precip., bgs., c.l., works..ton.52.50 - —
bbls., works.....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works.....ton.62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs.....lb. .16½- .17¼
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga., Ala,, Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton.87.00- —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
bbls., l.c.l., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. 11½- .12
Fluosilicate, bbls.....lb. .11½- .12
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- 05½
Iodide, bots. .....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks. .....lb. .06¾- .07¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York .....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore..ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Barytes, dom., floated, bgs., l.c.l., ex-whse Cleveland..ton.33.00 - —
Detroit .....ton.30.35 - —
Kansas City .....ton.30.35 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco .....ton.42.00 - —
Toronto .....ton.39.30 - —
southern off color, bulk, mines, ton.12.00 - —
95,75%, bulk, mines .....ton.16.00 - —
ore, bulk, mines, long ton 7.00 - —
German, grd., bbls., c.l., dock, t.a..ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
ungrd., bulk c.l., ex dock, ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .13 - .17
Root, bls. .....lb. .12 - .13
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - —
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha gal. .16 - —
W. coast, f.o.b., Minneapolis, Colo..gal. .16 - —
Benzoyl chloride, dms.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95-97%, refd., dms., lb. .80 - .40
tech., dms. .....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb.16.75 - —
Hydrochloride, cns.....lb.16.75 - —
Sulphate, cns.....lb.16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, sublm., bbls....lb. .55 - —
kgs. .....lb. .50 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib, dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .20 - .22
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib, dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.42 - 1.68
fib. dms.....lb. 1.33 - 1.36
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.42 - 1.68
fib. dms. .....lb. 1.33 - 1.36
Sublodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns. lb. 1.27 - 1.53
fib. dms.....lb. 1.18 - 1.21
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots....lb. 3.61 - —
fib. dms.....lb 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E...lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
2, bbls., bgs., c.l., frt. allo., E...lb. .10½- —
l.c.l., frt. allo. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. allo. E...lb. .09½- —
l.c.l., frt. allo. E.....lb. .10 - —
4, bbls., c.l., frt. allo. E..lb. .08½- —
l.c.l., frt. allo, E.....lb. .09 - —
5, bbls., bgs., c.l., frt. allo. E...lb. .07½- —
l.c.l., frt. allo. E.....lb. .08 - —
6, bbls., c.l., frt. allo. E..lb. .05½- —
l.c.l., frt. allo. E.....lb. .06 - —
7, bbls., bgs., c.l., frt. allo. E...lb. .09 - —
l.c.l., frt. allo. E.....lb. .09½- —
8, bbls., bgs., c.l., frt. allo. E...lb. .10 - —
l.c.l., frt. allo. E.....lb. .10½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs. l.c.l. dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs. l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4 bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports) .lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0319- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0341- —
Black, carbon, stand., bgs., c.l., 30,000 lbs., dlvd., F (Me., Md., Mass., N. H., R. I., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .03¾- —
bgs. or ctns. (sellers option) l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —
export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G)
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls, c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N.Y....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black haw, root bark, bls....lb. .23 - .25
Tree bark, bls.....lb. .14 - .15
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.75 - —
import, bgs., c.l.f. ports, shipt., unit-ton. 3.10 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .18
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order .....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order .....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts.lb. .36 - —
open order .....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts, lb. .36 - —
open order .....lb. .37 - —
Tungstated, peacock, kegs...lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis.....lb. .18 - —
3, bbls., same basis.....lb. .19 - —
4, bbls., same basis.....lb. .20 - —
5, bbls., same basis.....lb. .23 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis.lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis.lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls, same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs..lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.25 - —
16-50 bbls., same basis, 100 lbs. 4.40 - —
Blue vitriol, 99% cryst., bbls., 6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis, 100 lbs. 4.75 - —

Areca—Cadmium Iodide

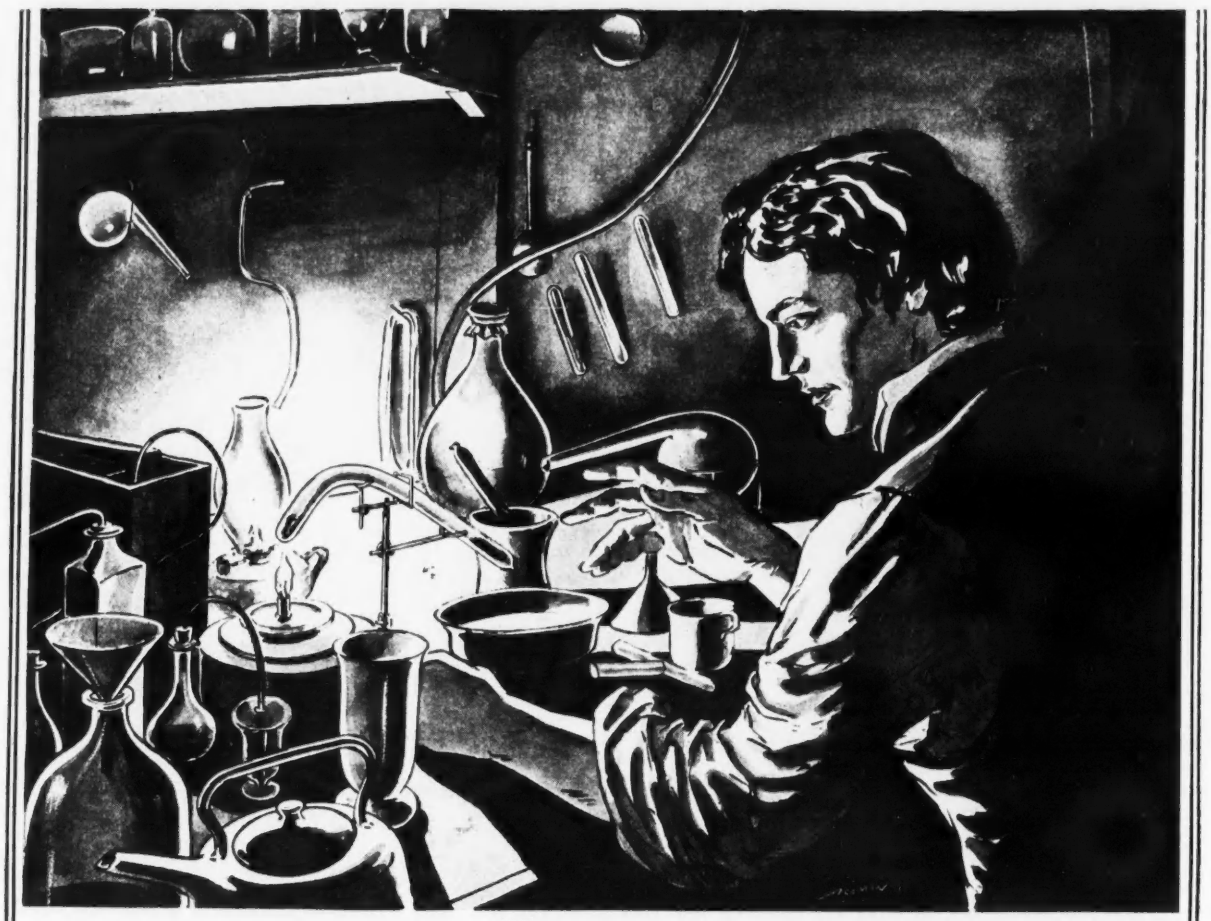
Blue vitriol, Monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 8.65 - 8.90
l.c.l. dealers....100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.27.00 -29.00
c.i.f. Atlantic ports.....ton.27.50 - —
import, bgs., c.i.f., ports.ton.27.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b Chicago..ton.23.00 -24.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.22.50 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon. 60% phos., bgs., f.o.b. Chicago..ton.19.00 -20.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.21.00 -21.50
Borage flowers, bls. .....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..tons.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..tons.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min. dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots. .....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12¼- —
Group 2, bbls., same basis, lb. .10¾- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .07¾- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y..lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04¼- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse., Boston....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .38 - .39
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs. .....lb. .17 - .18
Burdock root, bls.....lb. .10 - .10¼
Burgundy pitch, dom., bbls...lb. .03½- .03¾
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate norm., dms., c.l., contract, frt. alld..lb. .09½- —
l.c.l., contract, frt.allo..lb. .10 - —
tanks, contract, frt. allo..lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17¼
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Crotonate, normal, 55 & 110 gal. dms., dlvd...lb. .33 - —
5 & 10 gal. dms., dlvd....lb. .36 - —
Ether (see under Ether).
Lactate, dms. .....lb. .22¼- —
Butyl, propionate, dms., dlvd..lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms. .....lb. 28 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works .....lb. .65 - .70
dms., frt. allo. Met. N. Y..lb. .60 - —

C

Cadmium bromide, jars, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.66 - —
25 lbs., works.....lb. 1.71 - —
bots., 5 lbs., works.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 4.21 - —
25-lb. cns.....lb. 3.97 - —

Cad.. Lithopone—China Clay

Cadmium, Bithopone (see Yellow)
Metal, cs. ..... lb. 1.05 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs. or more. lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more.lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs....lb. .40 - .41
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs.,dlvd.100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07⅛
W. of Rockies, bgs., dms.. lb. .06½- .06¾
Southern cotton states, bgs., lb. .06½- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 Nom.
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd..ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P.,bbls., 200 lbs.lb. .23 - —
Levulinate, bots., less than 25 lbs., works..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessel, No. Atlantic ports, or f.o.b. cars, So. Atlantic ports ton.28.00 - —
Palmitate, bbls.....lb. .22 .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.i.f. Atlantic ports, shipt..unit-ton. .80 - —
tribasic, c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 75%, CaS, works, bulk, c.l., 25-mesh..ton.42.50 - —
bags, bulk, c.l., works..ton.45.00 - —
l.c.l., works .....ton.47.50 -50.00
75%, CaS, works, bulk, c.l., 50-mesh..ton.43.50 - —
bags, bulk, c.l., works..ton.46.00 - —
l.c.l., works .....ton.48.50 -51.00
80%, CaS, works, bulk, c.l., 25-mesh..ton.47.50 - —
bags, bulk, c.l., works...ton.50.00 - —
l.c.l., works .....ton.52.50 -55.00
80%, CaS, works, bulk, c.l., 50-mesh..ton.48.50 - —
bags, bulk, c.l., works...ton.51.00 - —
l.c.l., works .....ton.53.50 -56.00
luminous, dom., tins, works, 100 lbs. .85 - —
Sulphocarbolate,bbls..200 lbs.lb. .48 - —
kgs.. 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .36
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.28 - —
Camphor, natural, powd., cs...lb. .52½- .53
slabs, cs. .....lb. .52½- .53
tablets, tins .....lb. .57 - .57½
synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots lb. .47 - —
1,000-lb. lots .....lb. .48 - —
500-lb. lots .....lb. .49 - —
100-lb. lots .....lb. .50 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0440- .0465
Morocco, bgs. .....lb. .0430- .0460
Turkish, bgs. .....lb. .0430- .0460
Canella alba bark, bls.....lb. .30 - .31
Cantharides, Chinese, cs.....lb. .60 - .70
powd., bxs.....lb. .70 - .80
Russian, cs. .....lb. .90 - .95
powd., bxs. .....lb. 1.15 - 1.20
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .06⅝- .07
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R. and incl. Ia., Ky., Minn., Mo., N. C., Tenn., Va....lb. .05 - —
l.c.l., same basis.....lb. .05½- —
10-gal. dms., c.l. (20 tons), same basis..lb. .06¾- .07½
l.c.l., same basis.....lb. .07¾- .08¼
Carbon tetrachloride, 5-gal. dms., c.l., (20 tons), same basis, lb. .06¾- .07¼
l.c.l., same basis.....lb. .07¾- .08¼
tanks, same basis.....lb. .04¾- —
Fire extinguisher liquid, 1½c. lb. higher.
Carbon tetrachloride prices are ½c. per lb. higher frt. alld. in S.E. and Central States; 1c. per lb. higher frt. alld. in Rocky Mts. and S. W. States; prices in Pacific Coast States are 1½c. per lb. higher, f.o.b. Coast shipping points.
Cardamom, bleached, cs.....lb. 1.20 - 1.50
decorticated, cs. .....lb. .80 - .82
green, bgs. .....lb. .50 - .52
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .11 - .12
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .09½ .10
5 tons, works.....lb. .11 - —
smaller lots, works....lb. .12 - —
80-100 mesh, bgs., c.l., dlvd., lb. .10 - .10½
5 tons, works.....lb. .11½ —
smaller lots, works....lb. .12½- —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12 - —
80-100 mesh, bgs., c.l. duty paid..lb. .12½- —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .16¼- .16½
3, bls. .....lb. .10 - .10½
shortstick, bls.....lb. .12¾- .13
China, rolls, select, cs.....lb. .07 - .07¼
broken, extra, bls.....lb. .04½- .04⅝
Cassia, Saigon, bls.....lb. .15 - .15½
Cassia buds, cs.....lb. .15 - .15½
Cassia fistula, bskts.....lb. .08 - .09
Castile soap, white, bars., cs., 40 lbs.11.75 -12.50
powd., bbls. .....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots. .....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton.18.50 - —
import, bgs., c.i.f., ports, shipment..ton.21.00 - —
Catnep leaves, bls. .....lb. .17 - .18
Celery seed, French, bgs.....lb. .13½- .14
Indian, bgs.....lb. .11⅝- .12
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Acetopropionate, 500 lbs. and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Triacetate, 50,000 to 99,999 lbs. lb. .50 - —
20,000 to 49,999 lbs.....lb. .55 - —
10,000 to 19,999 lbs.....lb. .60 - —
2,000 to 9,999 lbs.....lb. .65 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .19 - .20
Roman, bls. .....lb. .28 - .29
Charcoal, softwood, powd., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —
Kansas, El Paso, Tex., ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls. .....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l. wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02¼- —
tanks, wks.....lb. .01⅝- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works....ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works, ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila..ton.22.00 -25.00



Through The Centuries With Alkalies

It was in 1823 that the brilliant young English chemist and physicist, Michael Faraday, working at the Royal Institution under Sir H. Davy, succeeded in liquefying chlorine. In the short limb of a bent test tube he placed a compound which liberated chlorine. The tube was then hermetically sealed and the substance heated. Then by cooling the long limb of the tube a yellow liquid collected which was liquid chlorine. Strangely enough chlorine is manufactured today by the application of another of Faraday's great discoveries, in the realm of electricity. Faraday also produced several new kinds of optical glass, and all in all, his discoveries were of first magnitude in value to modern industry.

There may be no "style angle" to the products of this Corporation, but it has become the fashion of discriminating buyers to specify COLUMBIA. This insurance of product quality and uniformity; of prompt and intelligent service; of modern, trouble-free packaging, so vitally important in the handling of liquid chlorine, is alone responsible for COLUMBIA's commanding position in the alkali industry. In buying soda ash, caustic soda, or liquid chlorine it pays to be "label conscious". Specify COLUMBIA.

COLUMBIA

SODA ASH
CAUSTIC SODA
SODIUM BICARBONATE
MODIFIED SODAS
LIQUID CHLORINE
CALCIUM CHLORIDE

THE COLUMBIA ALKALI CORPORATION
BARBERTON • OHIO

NEW YORK ST. LOUIS CLEVELAND
CHICAGO PITTSBURGH MINNEAPOLIS
BOSTON CINCINNATI PHILADELPHIA

China clay, import, white, powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse. .....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
Chloral hydrate, dms., 1,000 lbs.lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorinated rubber, bgs., c.l. (30,000 lbs. min.) works.....lb. .35 - —
2,000 lbs., works.....lb. .37 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N.Y....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equaled..100 lbs. 2.15 - —
tanks, multiple unit, 3 or over, wks., frt. equald..100 lbs. 2.30 - —
2, works, frt. equaled.100 lbs. 2.55 - —
1, works, frt. equald..... 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 100-lb. cyls., works..lb. .85 - —
5-lb. cycls., same basis..lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .08
Cake, bulk, c.l., works....ton.15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Chrome, sulphate, pearls, dms., 100 lbs..lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs.....lb. .45 - .50
short, bgs.....lb. .40 - .45
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2, bls.....lb. .15½- .16
3, bls.....lb. .15¼- .15¾
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine, ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .15¼- .15½
Zanzibar, bls.....lb. .16½ Nom.
Clover tops, bgs.....lb. .13 - .14
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .65 - .67
Carbonate, tech., bbls., dlvd.lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Cobalt oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .15 - .16
Cocoa butter, lump, bgs., c.l..lb. .12¼ - .12⅝
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz.20.00 - —
single ozs.....oz.21.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .25 - .29
Colombo root, bls.....lb. .10 - .11
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. .24 - .25
S.A., USP. cns.....lb. .26 - .27
Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .23 - —
Carbonate, 52-54%, bbls.....lb. .14 - .15
20%, bbls.....lb. .10½- .11½
Chloride, cryst., bbls.....lb. .12½- .13½
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .10½- —
Nitrate, cryst., bbls.....lb. .1620- .17
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .14¾- .15¼
smaller lots, works.....lb. .15¾- —
red, com'l, 50-75%, kgs., f.o.b. N. Y...lb. .15¼- .16¼
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.16.00 - —
bbls., c.l., works.....ton.18.00 - —
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.13.00 - —
Copra, Coast, shipt.....lb. .0185 Nom.
Coriander seed, Morocco, bgs..lb. .04½- .05
bleached, bgs. .....lb. .07¾- .08
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.00 - —
ex whse. .....100 lbs. 3.10 - —
Syrup, 42°, bbls., c.l....100 lbs. 2.94 - —
43°, bbls., c.l.....100 lbs. 2.99 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs., or more..lb. 1.13 - —
gran., powd., dms., 50 lbs. or more..lb. .99 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd..unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .20 - .22
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .14 - .15
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .22¾- —
smaller lots, bbls.....lb. .23¼- —
kgs. .....lb. .23¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13¼- .14½
Coaltar solution, tanks, works. gal. .122 - .132
refd., bbls., l.c.l., works, gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .10½- —
l.c.l., same basis.....lb. .11 - —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd..lb. .22 - —
5 and 10 gal. dms., dlvd..lb. .25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .25 - .26
2,000 lbs. to 10,000 lbs..lb. .26 - .27
1,000 lbs. to 2,000 lbs..lb. .27 - .28
200 lbs. to 1,000 lbs.....lb. .29 - .30
4% rotenone prices are 4c. per lb. less.
Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .27 - .28
powd., cs.....lb. .30 - .31
Culver's root, bls.....lb. .17 - .18
Cumin seed, Algerian, bgs....lb. .09½- .10
Morocco, bgs. .....lb. No stocks.
Cutch, Philippine, extract, solid bags..lb. .04¼- .04½
Cyanamid, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit..lb. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
75%, gran., dms.....lb. .15 - —

D

Damiana leaves, bls.....lb. .14 - .15
Dandelion root, German, bls..lb. .13 - .14
Deertongue leaves, bls.....lb. .09 - .09½
Degras, common, dom., bbls..lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .34 - .38
2,000 lbs., to 10,000 lbs..lb. .35 - .39
1,000 lbs. to 2,000 lbs. lb. .36 - .40
200 lbs. to 1,000 lbs..lb. .38 - .42
4% rotenone prices are 6c. per lb. less
Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Derris, resinate, 75% rotenone, cns..lb.10.00 -11.00
30% rotenone, cns.....lb. 5.50 - 6.50
25% rotenone, bulk, cns....lb. 3.60 - 6.00
15% rotenone, bulk, cns..lb. 2.10 - 4.25
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.60 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.80 - —
corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.35 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.55 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.50 - —
Potato, import, bgs.....lb. .07¼- .08
Diacetone (see under Alcohol).
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .193/- —
tanks, dlvd.....lb. .18 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
Import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd..lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Tartrate, dom., dms.....lb. .45 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .25 - —
refd., 99%, dms. .....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .12 - —
Diethylaniliu, dms. .....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works .....lb. .17 - —
Monobutylether, dms.. works..lb. .23 - .24
Diethylene glycol monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Digitalis, leaves, dms.....lb. .42 - .45
Diglycol laurate .....lb. .22 - —
Diglycol oleate, light, bbls.....lb. .20 - —
Diglycol stearate .....lb. .24 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dilliseed, recleaned, bgs.....lb. .09 - .09½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd. .....lb. .19 - —
Dimethylamine, dms., c.l., dlvd. lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
tanks, dlvd. .....lb. .17½- —
Dimethylaniliu, dms., c.l.....lb. .26 - —
l.c.l., dms. .....lb. .27 - —
Dimethylethyl carbinol (see Carbonol).
Dinitrobenzene, bbls, 80° min., lb. .18 - —
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidins, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .11 - .12
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .06 - .07
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vls.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified colors) (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans..lb.13.50- —
f180 Sodium indigo disulphonate, cns..lb.13.50- —
Green:—
Fastgreen FCF, cns.....lb.27.50- —
666 Guinea green B., cns. lb.13.50- —
670 Light green SF, yellowish, cns..lb.17.50- —
Red:—
184 Amaranth, cns.....lb. 3.15- —
773 Erythrosin, cns.....lb.17.50- —
80 Ponceau 3R, cns.....lb. 6.00- —
Ponceau SX, cns.....lb. 5.75- —
Orange:—
150 Orange I, cns.....lb. 2.90- —
Yellow:—
10 Naphthol yellow S, cns..lb. 8.50- —
Sunset yellow FCF, cns.lb. 3.15- —
640 Tartrazin, cns.....lb. 3.15- —
22 Yellow AB, cns.....lb. 2.65- —
61 Yellow OB, cns.....lb. 2.65- —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B....lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - 70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin.....lb. .50 - .52
814 Direct fast yellow...lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p. c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —

China Clay—Ether

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
Red:—
76 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin.....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
860 Indulin.....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet .....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Water-soluble:—
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .63 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein 3R..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
708 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls .....lb. .20 - .21
Egg albumen (see Albumen).
yolk, bbls.....lb. .66 - .68
Elder flowers, bright, bls.....lb. .21 - .23
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .20 - .21
select bndls .....lb. .25 - .28
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls.....lb. .28 - .29
Ephedrine, tins, 1,000 ozs....oz. 2.50 - —
tins, 100 ozs. .....oz. 2.65 - —
Hydrochloride, tins, 1,000 ozs. oz. 1.75 - —
tins, 100 ozs. .....lb. 1.90 - —
Sulphate, cryst., 1,000 ozs...oz. 1.75 - —
tins, 100 ozs. .....lb. 1.90 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.65 - 1.70
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.33.00 -34.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., l.c.l., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .08 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —

Ether—Grains of Paradise

Ether, USP, anesthesia, dms., 27 lbs.	lb.	.26 -	—
USP, 1880, dms.	lb.	.39 -	.40
washed, dms.	lb.	.37 -	.38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld.	lb.	.06½-	—
l.c.l., frt. alld.	lb.	.07 -	—
tanks, frt. alld.	lb.	.05½-	—
99 p.c., dms., c.l., frt. alld.,	lb.	.07½-	—
l.c.l., frt. alld.	lb.	.07¾-	—
tanks, frt. alld.	lb.	.06¼-	—
N. F., VI, 90%, dms., 400 lbs.	lb.	.08½-	—
cns., 35 lbs.	lb.	.13½-	—
USP, VIII, 90%, dms., 400 lbs.	lb.	.07¼-	—
cns., 85 lbs.	lb.	.12½-	—
Acetoacetate, dms., c.l., works,	lb.	.27½-	—
l.c.l., dms., works	lb.	.28 -	—
Bromide, tech., dms.	lb.	.50 -	.55
Caproate, cns.	lb.	1.00 -	—
Chloride, dms.	lb.	.18 -	.20
Cinnamate, cns.	lb.	3.20 -	4.00
Crotonate, 55 and 110 gal. dms., divd.	lb.	.33 -	—
5 and 10 gal. dms., divd.	lb.	.36 -	—
Formate, cns., dms.	lb.	.23 -	.24
Iodide, bots.	lb.	5.01 -	—
Lactate, 55-gal. dms., works.	lb.	.33½-	—
5-gal. dms., works	lb.	.37½-	—
Oxalate, dms., frt. alld.	lb.	.25 -	—
Silicate, l.c.l., dms., works	lb.	.77 -	—
Ethylcellulose, bgs., 500 lbs. or more, frt. alld.	lb.	.6440-	—
100 lbs., frt. alld.	lb.	.6960-	—
smaller lots, works	lb.	.7425-	—
Ethylene bromide, dms.	lb.	.65 -	.70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0545-	.05½
West of Rockies, same basis.	lb.	.0595-	.06
l.c.l., works, E. of Rockies, frt. alld.	lb.	.0644-	.06¾
West of Rockies, same basis.	lb.	.0694-	.07
Ethyleneglycol, dms., c.l.	lb.	.16 -	—
l.c.l.	lb.	.17 -	.20
tanks	lb.	.15 -	—
Monobutylether, dms., c.l., works.	lb.	.18 -	—
l.c.l., works	lb.	.19 -	.22
tanks, works	lb.	.17 -	—
Monoethylether, dms., c.l., works.	lb.	.15 -	—
l.c.l., works	lb.	.16 -	—
tanks, works	lb.	.14 -	—
Monoethylether, acetate, dms., c.l., works.	lb.	.13 -	—
l.c.l., dms	lb.	.14 -	—
tanks, works	lb.	.12 -	—
Monoethylether, dms., c.l., works.	lb.	.17 -	—
l.c.l., works	lb.	.18 -	—
tanks, works	lb.	.16 -	—
Ethylidianilin, dms.	lb.	.45 -	.47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.06½-	—
l.c.l., same terms	lb.	.07 -	—
tanks, same terms	lb.	.05½-	—
Ethylorthoparatoluenesulphonamide,	bbls.	.60 -	—
Eucalyptol, cns., dms.	lb.	.55 -	.57
Eucalyptus leaves, bls.	lb.	.08 -	.09
	bbls.	.55 -	—
Ethylparatoluenesulphonamide,			
Eugenol, bgs., cns.	lb.	1.90 -	2.15
Euphorbia, bls.	lb.	.05 -	.06

F

Feldspar, enamel, 100 mesh, bulk, works.	ton.	14.00 -	17.50
glass, 20 mesh, bulk, works.	ton.	9.75 -	13.25
pottery, bulk, Me. works	ton.	17.00 -	19.00
N.C. works.	ton.	17.00 -	19.00
Fennel seed, French type, bgs.,	lb.	.08 -	.08½
Indian, bags.	lb.	.07½-	.07¾
German large, bgs.	lb.	.18 -	.19
small, bgs.	lb.	.13 -	.14
Fenugreek seed, bgs.	lb.	.03⅞-	.04¼
Ferric sulphate, dms., works.	ton.	35.00 -	40.00
Film scrap, colors, dark, cs., 1,000 lbs., or over, works.	lb.	.12½-	—
smaller lots, works.	lb.	.13 -	—
light, cs., 1,000 lbs. or over, works.	lb.	.13½-	—
smaller lots, works.	lb.	.14 -	—
water white, cs., 1,000 lbs., or over, works.	lb.	.14½-	—
smaller lots, works.	lb.	.15 -	—
Fir balsam, Canada, cns.	gal.	12.75 -	13.00
Oregon, bbls.	gal.	1.35 -	1.40
Fish berries, bgs.	lb.	.09 -	.09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures.	unit-ton.	3.25 &	.10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.	ton.	48.00 -	—
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts.	unit-ton.	2.75 &	.50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, shipt.	ton.	44.00 -	—
Flake, white, bbls., kgs.	lb.	.10¼-	—
Flaxseed, French, black, bgs.	lb.	.13 -	.14
Indian, blonde, bgs.	lb.	.08 -	.08½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines,	ton.	31.50 -	—
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines.	ton.	19.00 -	20.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines.	ton.	20.00 -	21.00
imported, 85% not over 5% duty paid.	ton.	23.50 -	24.00
Formaldehyde, bbls., c.l., works,	lb.	.05¾-	—
l.c.l., works	lb.	.06¼-	—
dms., c.l., works	lb.	.05¼-	—
l.c.l., works	lb.	.05¾-	—
tanks, works	lb.	.04½-	—
Fringetree bark, bls.	lb.	.12 -	.13
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines.	ton.	10.00 -	—
import, bgs., c.l., ex dock.	ton.	23.00 -	—
l.c.l., ex whse.	ton.	30.00 -	—
Furfural, refd., c.l., works,	lb.	.15 -	—
l.c.l., works	lb.	.17½-	.25
tech., dms., contracts, 150,000 lbs.	lb.	.10 -	—
c.l., works	lb.	.12½-	—
l.c.l., works	lb.	.15 -	.20
tanks, works	lb.	.09 -	—
Fusel oil, refd., dms., incl., divd.,	lb.	.12½-	.14
Fustic extract, cryst., bbls.	lb.	.22 -	.26
liquid, bbls.	lb.	.09½-	.13
solid, dms.	lb.	.17½-	.19¼

G

G salt, bbls.	lb.	.45 -	—
Galangal root, bls.	lb.	.09 -	.10
Gall extract, bbls.	lb.	.19 -	.20
Gambier, common, cases.	lb.	.06¾-	.07
plantation, cases.	lb.	.08¼-	.09
Cubes, Singapore, cases.	lb.	.08½-	.09
Extract, bbls.	lb.	.06½-	.09½
Gasoline at refinery:—			
Bayonne, US motor, below 65 octane, tanks.	gal.	.07¼-	—
65 octane and above, tanks,	gal.	.07½-	—
California, 54-58, tanks.	gal.	.06¾-	.08¼
Gulf Coast, U. S. Motor, bulk,	gal.	.04¾-	.04⅞
60-62, 300 e.p., bulk, export,	gal.	.04¾-	.04⅞
60-62, 400 e.p., bulk, export,	gal.	.04¾-	.04⅞
64-66, 375 e.p., bulk, export,	gal.	.04⅞-	—
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.04¼-	.04½
63-66 octane, tanks.	gal.	.04½-	.04⅝
67-69 octane, tanks.	gal.	.04⅝-	.05
70-72 octane, tanks.	gal.	.05½-	.05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks.	gal.	.04¼-	.04¼
third grade, tanks.	gal.	.04½-	.04½
63-68 octane, tanks.	gal.	.04 -	—
67-69 octane, tanks.	gal.	.04⅝-	—
70-72 octane, tanks.	gal.	.04⅞-	.05¼
natural, 12-lb. v. p., tanks,	gal.	.03¼-	.03½
14-lb. v.p., tanks.	gal.	.03⅝-	—
18-lb. v.p., tanks.	gal.	.02⅝-	.02¾
22-lb. v.p., tanks.	gal.	.02¾-	—
26-7? lb., v.p., tanks.	gal.	.03 -	—
Pennsylvania, US motor, below 60 octane tanks,	gal.	.05 -	—
65 octane, tanks.	gal.	.06½-	—
52-56 450 e.p., naphtha, tanks.	gal.	.04¾-	.05
Gelatin, silver, cs.	lb.	.45 -	.50
Gelsemium root, bls.	lb.	.11 -	.12
Gentian root, bls.	lb.	.08 -	.08½
grd., bbls., bxs.	lb.	.11½-	.12
powd., bbls., bxs.	lb.	.12½-	.13
Geraniol, cns., dms.	lb.	.67 -	4.00
Geranyl acetate, bots., dms.	lb.	1.20 -	2.50
Ginger root, African, bgs.	lb.	.06½-	.06¾
Cochin, lemon, bgs.	lb.	.10½-	.11
Jamaica, bold, bgs.	lb.	.15 -	.15½
grinding, bright, bgs.	lb.	.11 -	.11½
medium, bold, bgs.	lb.	.11¾-	.12
Japanese, bgs.	lb.	.09 -	.09½
Ginseng fibers, cs.	lb.	1.75 -	3.00
Root, cultivated, cs.	lb.	10.00 -	11.00
wild, Southern, cs.	lb.	6.00 -	7.00
Glauber's salt, anhyd. (see Soda sulphate).			
cryst., dom., bgs., bbls., c.l., works.	100 lbs.	.95 -	1.15
5 tons or over, works.	100 lbs.	1.05 -	1.25
less than 5 tons, works.	100 lbs.	1.15 -	1.35
import., bgs.	100 lbs.	1.05 -	1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., divd.	lb.	.13 -	—
l.c.l., divd.	lb.	.13½-	—
36/58, bgs., c.l., divd.	lb.	.13½-	—
l.c.l., divd	lb.	.14 -	—
58/82, bgs., c.l., divd.	lb.	.14½-	—
l.c.l., divd.	lb.	.15 -	—
82/108, bgs., c.l., divd.	lb.	.15 -	—
l.c.l., divd.	lb.	.15½-	—
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., divd., East, Middlewest.	lb.	.15 -	—
l.c.l., same basis.	lb.	.15½-	—
60/164, bgs., c.l., same basis.	lb.	.16½-	—
l.c.l., same basis.	lb.	.17 -	—
67/122, bgs., c.l., same basis.	lb.	.17½-	—
l.c.l., same basis.	lb.	.18 -	—
Glue, hide, calcimine type, 75/222, bgs., c.l., same basis,	lb.	.18½-	—
l.c.l., same basis.	lb.	.19½-	—
83/251, bgs., c.l., same basis.	lb.	.19½-	—
l.c.l., same basis.	lb.	.20½-	—
92/283, bgs., c.l., same basis.	lb.	.20½-	—
l.c.l., same basis.	lb.	.21½-	—
102/315, bgs., c.l., same basis	lb.	.21 -	—
l.c.l., same basis.	lb.	.22 -	—
113/347, bgs., c.l., same basis	lb.	.22 -	—
l.c.l., same basis.	lb.	.23 -	—
125/379, bgs., c.l., same basis	lb.	.23 -	—
l.c.l., same basis.	lb.	.24 -	—
Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.			
Glycerin, C.P., cns., l.c.l.	lb.	.16½-	.16¾
dms., c.l., divd.	lb.	.14½-	—
l.c.l., divd.	lb.	.14¾-	—
tanks, divd.	lb.	.14 -	—
dynamite, dms.	lb.	Nominal.	
high gravity, dms., c.l., divd.	lb.	.13¾-	—
l.c.l., divd.	lb.	.14¼-	—
tanks, divd.	lb.	.13½-	—
saponification, basis 88%, dms., returnable, divd.	lb.	.09½-	.09¾
soapiye, basis 80%, dms., returnable, divd.	lb.	.08½-	.08¾
Glycol boriborate, dms.	lb.	.23 -	—
Phthalate, dms.	lb.	.38 -	—
Stearate, dms.	lb.	.25 -	—
Gold, U.S. purchase price.	oz.	35.00 -	—
Chloride, acid brown, bots.	oz.	20.75 -	21.00
yellow, bots.	oz.	18.75 -	19.00
Gold-soda chloride, photo., bots.,	oz.	13.00 -	—
U.S.P. IX, bots.	oz.	14.50 -	14.75
Gold of pleasure seed, bgs.	lb.	.12 -	.12½
Goldenseal root, bls.	lb.	2.95 -	3.10
powd., bxs.	lb.	3.15 -	3.25
Grains of paradise, bgs.	lb.	.23 -	.23½

Control Your Markets, Too

Graphite, flake (cryst.), 99% 325 mesh, 50% graphitic carbon, bgs., c.l., works	lb.	.06 - —
bbls., c.l., works	lb.	.06¼- —
l.c.l., works	lb.	.06½- —
powd., 99% 325 mesh, 65% graphitic carbon, bgs., c.l., works	lb.	.02½- —
65% graphitic carbon, bbls., c.l., works	lb.	.02¾- —
l.c.l., works	lb.	.03¼- —
80% graphitic carbon, bgs., c.l., works	lb.	.03½- —
bbls., c.l., works	lb.	.03¾- —
l.c.l., works	lb.	.04½- —
Grease, house, trcs	lb.	.04¾- .05
White, trcs.	lb.	.05¾- .06
Yellow, trcs.	lb.	.04¾- .05
Wool (see Adeps lanae and Degras).		
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.21 - —
6-10%, bbls., same basis	lb.	.22 - —
11-15%, bbls., same basis	lb.	.23 - —
16-20%, bbls., same basis	lb.	.23½- —
21-25%, bbls., same basis	lb.	.24 - —
26-30%, bbls., same basis	lb.	.24½- —
31-35%, bbls., same basis	lb.	.25½- —
36-40%, bbls., same basis	lb.	.27 - —
41-45%, bbls., same basis	lb.	.28½- —
46-50%, bbls., same basis	lb.	.30 - —
over 50%, bbls., same basis	lb.	.31 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Green, chrome, reduced, C.P., color content up 5%, same basis	lb.	.06 - —
6-10%, bbls., same basis	lb.	.06¾- —
11-13%, bbls., same basis	lb.	.07¼- —
14-16%, bbls., same basis	lb.	.07½- —
17-19%, bbls., same basis	lb.	.07¾- —
20-21%, bbls., same basis	lb.	.08 - —
22-23%, bbls., same basis	lb.	.08¼- —
24-25%, bbls., same basis	lb.	.08½- —
26-27%, bbls., same basis	lb.	.08¾- —
28-29%, bbls., same basis	lb.	.09¼- —
30-31%, bbls., same basis	lb.	.10 - —
32-33%, bbls., same basis	lb.	.11¼- —
34-35%, bbls., same basis	lb.	.12¼- —
36-40%, bbls., same basis	lb.	.14¼- —
41-45%, bbls., same basis	lb.	.16¼ —
46-50%, bbls., same basis	lb.	.16¾- —
51-55%, bbls., same basis	lb.	.17¼- —
56-60%, bbls., same basis	lb.	.17¾- —
61-65%, bbls., same basis	lb.	.18¼- —
66-70%, bbls., same basis	lb.	.19¼- —
71-75%, bbls., same basis	lb.	.20¼- —
oxide, dom., pure, bbls	lb.	.22 - —
ceramic, light shades, bbls., c.l., works	lb.	.28 - —
l.c.l., works	lb.	.30 - —
standard grade, bbls., works	lb.	.21 - .22
Tetrahydroxide, bbls	lb.	.85 - —
Paris (see P).		
Tungstated, brilliant, kgs	lb.	3.50 - —
emerald, kgs	lb.	2.35 - —
Verdigris (see V).		
Green dyes are listed under Dyes.		
Grindelia robusta, bls	lb.	.08 - .09
Guaiac resin, cs	lb.	.27 - .28
strained, cs.	lb.	.90 - 1.00
Wood, bls.	lb.	.04 - .05
Guaiacol, liq., djns	lb.	1.55 - 1.70
Carbonate, fib. dms., 25 lbs.	lb.	2.40 - 2.74
Guarana, powd., cs.	lb.	1.05 - 1.10
Gum, aloe (see A).		
Ammoniac, tears., cs	lb.	.85 - .90
Arabic, amber sorts, cleaned, bgs.	lb.	.09½- .09¾
white, sorts, 1, bgs	lb.	.23 - .24
2, bgs	lb.	.21 - .22

Gum, arabic, white, powd., bbls.	lb.	.12 - .12½
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, Siam, cs	lb.	1.40 - 1.60
Sumatra, cs	lb.	.23 - .25
Camphor (see C).		
Chicle, prime, 33% moisture, bgs., ton lots	lb.	.38 - .39
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran	lb.	.34¾- —

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

2, cloudy, white, bgs., c.l., same basis	lb.	.26¾- —
3, selected pale straw bold, bgs., c.l., same basis	lb.	.18¼- —
4, pale bold straw, bgs., c.l. same basis	lb.	.18¾- —
5, pale straw bold, bgs., c.l. same basis	lb.	.14¾- —
6, pale amber bold, bgs., c.l., same basis	lb.	.15¾- —
7, pale, straw bold, bgs., c.l., same basis	lb.	.12¾- —
8, light amber bold, bgs., c.l., same basis	lb.	.11¾- —
9, medium light amber, bold, bgs., c.l., same basis	lb.	.09¾- —
10, rescraped hard amber bold, bgs., c.l., same basis	lb.	.09¾- —
11, hard dark amber bold, bgs., c.l., same basis	lb.	.07½- —
12, selected, bold sorts, bgs., c.l., same basis	lb.	.06½- —
13, dark sorts bold, bgs., c.l., same basis	lb.	.05¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis	lb.	.17¾- —

Graphite—Gum Ghatti

Gum, copal, Congo, No. 15, ordinary ivory sorts, bgs., c.l., same basis	lb.	.06¾- —
16, inferior ivory sorts, bgs., c.l., same basis	lb.	.05¾- —
17, pale, fingers, bgs., c.l., same basis	lb.	.15¾- —
18, pale straw nubs, bgs., c.l., same basis	lb.	.12¼- —
19, pale straw nubs, bgs., c.l., same basis	lb.	.11¾ —
20, hard dark amber nubs, bgs., c.l., same basis	lb.	.08¾- —
21, ordinary selected nubs, c.l., same basis	lb.	.07¾- —
22, small mixed nubs, bgs., c.l., same basis	lb.	.06¾- —
23, dark mixed nubs, bgs., c.l., same basis	lb.	.06¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis	lb.	.14¼- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis,	lb.	.07 - —
26, pale, bold chips, bgs., c.l., same basis	lb.	.06 - —
27, pale small chips, bgs., c.l., same basis	lb.	.05¾- —
28, pale dust, bgs., c.l., same basis	lb.	.04¾- —
East India, Batu, bold scraped, bgs., c.l., same basis,	lb.	.05 - —
unscraped, bgs., c.l., same basis	lb.	.04 - —
chips, bgs., c.l., same basis,	lb.	.03¾- —
dust, bgs., c.l., same basis	lb.	.03¼- —
nubs and chips, bgs., c.l., same basis	lb.	.03¾- —
black, bold, scraped, bgs., c.l., same basis	lb.	.06¾- —
unscraped, bgs., c.l., same basis	lb.	.05 - —
nubs and chips, bgs., c.l., same basis	lb.	.05 - —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis	lb.	.12½- —
chips, bgs., c.l., same basis	lb.	.06¾- —
dust., bgs., c.l., same basis	lb.	.03¼- —
nubs, bgs., c.l., same basis	lb.	.08¾- —
Singapore, Rasak, bold, bgs., c.l., same basis	lb.	.14¼- —
chips, bgs., c.l., same basis,	lb.	.05¾- —
dust, bgs., c.l., same basis	lb.	.03¼- —
nubs, bgs., c.l., same basis,	lb.	.10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis	lb.	.11½- —
light, bskts., c.l., same basis	lb.	.13¾- —
Loba A, bskts., c.l., same basis	lb.	.11¼- —
B, bskts., c.l., same basis	lb.	.10¼- —
C, bskts., c.l., same basis	lb.	.09¾- —
CNE, bskts., c.l., same basis	lb.	.06¾- —
D, bskts., c.l., same basis,	lb.	.09¾- —
DK, bskts., c.l., same basis,	lb.	.06¾- —
DU, bskts., c.l., same basis,	lb.	.08¾- —
dust, bskts., c.l., same basis,	lb.	.05¼- —
Sambas and white split chips, bskts., c.l., same basis	lb.	.14¾- —
Singapore, dust., bskts., c.l., same basis	lb.	.05¼- —
spirit-soluble, CBB, bskts., c.l., same basis	lb.	.09¾- —
DBB, bskts., c.l., same basis	lb.	.08 - —
MA, bskts., c.l., same basis,	lb.	.08¼- —
MB, bskts., c.l., same basis,	lb.	.06 - —
WS, bskts., c.l., same basis,	lb.	.06 - —
Philippine, Manila, amber sorts, bskts., c.l., same basis	lb.	.06¾- —
chips, pale, bskts., c.l., same basis	lb.	.06½- —
small, bskts., c.l., same basis	lb.	.07¼- —
extra pale sorts, bskts., c.l., same basis	lb.	.08¾- —
nubs, bskts., c.l., same basis	lb.	.10¾- —
pale, scraped, bskts., c.l., same basis	lb.	.11¾- —
seeds and dust, bskts., c.l., same basis	lb.	.05¼- —
Pontianak, bold, genuine, bgs., same basis	lb.	.15¼- —
mixed, bgs., c.l., same basis	lb.	.14 - —
chips, bgs., c.l., same basis,	lb.	.08¾- —
split, bgs., c.l., same basis.	lb.	.13¾- —
nubs, bgs., c.l., same basis.	lb.	.11¼- —
Dammar, Batavia, A, cs, c.l., same basis as copal	lb.	.20½- —
A/D, cs, c.l., same basis	lb.	.16¼- —
A/E, cs., c.l., same basis	lb.	.13¼- —
B, cs., c.l., same basis	lb.	.19¾- —
C, cs, c.l., same basis	lb.	.15¾- —
D, cs., c.l., same basis	lb.	.13¾- —
dust., cs., c.l., same basis	lb.	.05¾- —
E, cs., c.l., same basis	lb.	.07¾- —
F, cs., c.l., same basis	lb.	.07¼- —
Singapore 1, cs., c.l., same basis	lb.	.15¼- —
2, cs, c.l., same basis	lb.	.10¾- —
3, cs, c.l., same basis	lb.	.05 - —
chips, cs., c.l., same basis	lb.	.10¾- —
dust., cs., c.l., same basis.	lb.	.05 - —
seeds, cs., c.l., same basis.	lb.	.07¾- —
Elemi, cns., c.l., same basis as copal	lb.	.06¼- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs.,	lb.	.06¾- .07
less than 10,000 lbs., same basis	lb.	.07 - .07¼
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or stright c.l.,	lb.	.07¼- .07¾
l.c.l., same basis	lb.	.07½- .08
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l.	lb.	.07¼- .08
l.c.l., same basis	lb.	.07¾- .08¼
Euphorbium, cs	lb.	.17 - .18
Galbanum, cs	lb.	.90 - .95
Gamboge, pipe, cs	lb.	.65 - .70
powd., bbls	lb.	.70 - .75
Ghatti, soluble, bgs	lb.	.11 - .13
superior, bgs	lb.	.09 - .11

THE sales course of almost any industry you can name depends today on the amount of research being applied to the solution of its problems. It prospers to the extent that finds new uses for the products it now manufactures and develops new products for e markets it serves.

Research at Cyanamid is directed not only to help customers solve special problems ut also to broaden the base of their profit making activities by making available new and tter materials and methods. Closer association with our laboratories may reveal that the ork we are doing for your industry or for other industries will open up entirely new opportunities for improvement or expansion in your line. Chemicals are versatile in their adaptbility . . . and the possibilities they offer for improving products and processes are rapidly creasing. Study the information on the Cyanamid products that are discussed regularly these pages . . . and take steps to utilize their special advantages to broaden the base your profit making activities.

ERO BRAND STEARATES: Aluminum, Calcium, Lead, Magnesium and nc—Cyanamid controlled production assures uniformity—make Aero and Stearates *your* standard.

r the Paper Industry—**ALWAX SIZE** de in both high and low melting int waxes. Used in the beater to plement rosin size, it improves the ish, gives a better printing surface, d increases water resistance at low st. It also serves to improve the ding quality of paper and board. a surface size, applied in the size or at the water boxes of a calender ck, ALWAX SIZE improves the ish and lays fuzz, gives a waterstant surface, improves the printing face, and, used in connection with ender color, gives a uniform dyeing.

STRULAN for Leather Manufacturproducing high grade Calf and Kip athers—the lowest cold test available. Smoother grain d better feel result from its e.*URSULIN—sulphonated.

REZYL 775-1—an unusualversatile phenol modified yd resin, REZYL 775-1 is ggested especially for pigented primers and primer facers to air dry or bake autos, trucks, metal furnire, cabinets, toys, machinery, signs and gasoline pumps. It imparts to such finishes excellent adhesion, drying speed, through hardness, water resistance and freedom from lifting difficulties on recoating with lacquer or synthetic enamels.

REZYL 775-1 is also well adapted to the formulation of air drying and low baking colored enamels for which it combines excellent working properties with resistance to water and oil.

For the convenience of the consumer, REZYL 775-1 is supplied as a concentrated solution in mineral spirits which requires only a small proportion of stronger solvents when diluted to application consistency.

SUCCINIC ACID—COOH · $(CH_2)_2$ · COOH—White granular crystals, over 99% pure. Of particular interest to manufacturers of esters and synthetic resins. Produced commercially and available for prompt deliveries.

CRYSTAL AMMONIA AND POTASH ALUM are offered in either ground, lump, or powdered form. The ground product is used extensively by the leather and fur-dressing industries. Lump alum finds its principal use in water filtration. Our powdered material finds wide use in the cosmetic and pharmaceutical trade, and for this trade we pack this alum in metal drums to assure a pure, free-flowing product.

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

*Registered U. S. Patent Office
**Registered trademark of the Rezyl Corporation. These resins are manufactured under one or more U. S. Patents.

AMERICAN CYANAMID & CHEMICAL CORPORATION

30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

Gum Guaiac—Lithopone

Gum, guaiac (see Guaiac resin)
Karava, bbls, bxs., dms....lb. .14½- .23
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins....lb. 2.50 - 2.75
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs....lb. .35 - .36
Olibanum, siftings, bls....lb. .07½- .18
tears, cs....lb. .18 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .25 - .26
Scammony, cs....lb. 1.10 - 1.15
Senegal, picked, bgs....lb. .25 - .27
sorts, bgs....lb. .09¼- .09¼
Talha, bgs....lb. .07½- .08
Thus, bbls....280 lbs. 14.00 - 14.25
Tragacanth, Aleppo 1, cs....lb. 2.65 - 2.70
2, cs....lb. 2.35 - 2.40
3, cs....lb. 2.30 - 2.35
4, cs....lb. 2.25 - 2.30
5, cs....lb. 2.20 - 2.25
flake, bgs....lb. .50 - 1.00
Yucca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis..lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 21.15 - —
Medicine Lodge, Kans., frt. equald..ton. 17.00 - —
New Brighton, N. Y., frt. equald..ton. 27.15 - —
Southard, Okla., frt. equald..ton. 17.00 - —
Sweetwater, Tex., frt. equald..ton. 21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 12.50 - —
Blue Rapids, Kans., frt. equald..ton. 12.60 - —
New Brighton, N. Y., frt. equald..ton. 15.70 - —
Brighton, N. Y., frt. equald..ton. 15.70 - —
Southard, Okla., frt. equald..ton. 12.50 - —
Sweetwater, Tex., frt. equald..ton. 12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald..ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton. 12.00 - —
import, bgs., ex dock....ton. 27.50 - —

H

Heliotropin, cryst.. cns....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls. lb. .12 - .13
Helonias root, bls....lb. .55 - .60
Hematine crystals, bbls....lb. .18 - .28
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works....lb. .03¼- —
tanks, works....lb. .02¾- —
Hempseed, Manchur, bgs....lb. .05¾- .06
Henbane leaves, bls....lb. .15 - .16
Henna leaves, bls....lb. .07½- .08
powd., bbls., bxs....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3....gal. .16 - —
tanks, Group 3....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3....gal. .17 - —
tanks, Group 3....gal. .09½- —
Hexalin, dms....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3....gal. .17 - —
tanks, Group 3....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms....lb. .13½- —
tanks, same terms....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz. 13.00 - —
25 ozs....oz. 13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - —
Hops, N. F., bls....lb. .17 - .27
Horehound, bls....lb. .10 - .11
Hydranges root, bls....lb. .09 - .10
Hydrastine, bots., 4 ozs....oz. 17.25 - —
cns., 16 ozs....oz. 17.00 - —
Hydrochloride, bots., 4 ozs....oz. 17.25 - —
cns., 16 oz....oz. 17.00 - —
Sulphate, bots., 4 ozs....oz. 19.25 - —
cns., 16 oz....oz. 19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works....lb. .40 - —
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. R. lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz. 18.00 - 19.00
Hyoscyamine, bots....oz. 15.00 - —
Hydrobromide, bots....oz. 15.00 - —
Sulphate, bots....oz. 15.00 - —
Hypernic, liq., 51°, bbls....lb. .16 - .21
solid, bxs....lb. .18½- .20½

I

Iceland moss, bls....lb. .12 - .13
Ichthyol, bots....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs....lb. 1.63 - 1.67
synth., liq., bbls....lb. .16½- .19
powd., bbls....lb. .74½- .85
Indol, CP, bots....lb. 32.00 - 34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.30 - —
kgs., 150 lbs....lb. 1.07 - —
less 5%, kgs., 150 lbs..lb. 1.07 - —
resubl., bots., 5 lbs....lb. 1.85 - —
jars, 50 lbs....lb. 1.75 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals....gal. 1.60 - 1.65
mild, bbls., 47 gals....gal. .80 - —
cbys., 5 gals....gal. .85 - .90
Iodoform, dms., 100 lbs....lb. 3.95 - —
jars, 25 lbs....lb. 4.05 - —
Ionone, alpha, bots....lb. 2.50 - 2.55
alpha, extra, bots....lb. 4.00 - 4.05
alpha beta, bots....lb. 2.25 - 2.30
beta, bots....lb. 4.10 - 4.15
Ipecac root, bgs....lb. 1.10 - 1.15
powd., bxs....lb. 1.20 - 1.25
Irish moss, ordinary, bls....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .20 - .22
prime, bleached, bls....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd....lb. .04 - —
Chloride (ferric), tech., anhyd., 300-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equld..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .08
liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls....lb. .07½- —
kegs....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns....lb. .07½- —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns....lb. .84 - .87
scales, cns....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots....lb. 2.97 - —
cns., 25 lbs....lb. 3.09 - —
Hypophosphite, cns....lb. 1.55 - 1.60
Iodide, bots....lb. 2.99 - —
syrup, djns....lb. .37 - .38
bots....lb. .52 - —
Nitrate, coml., kgs....lb. .02¾- .03
Oxalate, powd., kgs....lb. .47 - —
cns....lb. .52 - —
scales, cns....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs....lb. .57 - —
scales, cns., 50 lbs....lb. .59 - —
25 lbs....lb. .62 - —
Ferrous, bbls., 200 lbs....lb. .35 - —
bxs., 25 lbs....lb. .40 - —
kgs., 100 lbs....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns....lb. .64 - .67
Reduced, 90%, cs....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns....lb. .37 - .40
scales, cns....lb. .47 - .50
green, gran., cns....lb. .37 - .40
pearls, cns....lb. .37 - .40
scales, cns....lb. .47 - .50
Oxalate, bxs....lb. .30 - —
fib., dms....lb. .23½- —
kgs....lb. .25½- —
Iron-potash oxalate, bbls....lb. .42 - —
kgs....lb. .44 - —
jars....lb. .48 - —
Iron-soda oxalate, bxs....lb. .30 - —
fib., dms....lb. .23½- —
kgs....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works....lb. .48 - —
small lots, works....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06½- —
l.c.l., same terms....lb. .07 - —
tanks, same terms....lb. .05½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l....lb. .08 - —
tanks....lb. .06 - —

J

Jaborandi leaves, bls....lb. .10 - .11
Jalap root, NF, bls....lb. .16 - .17
powd., bbls., bxs....lb. .20 - .21
Juniper berries, bgs....lb. .04 - .05

K

Kamala, tins....lb. .32 - .33
Kava kava root, bls....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks..gal. .04¾- .05
Gulf ports, p.w., bulk, export, gal. .03¾- —
w.w., bulk..gal. .04 - —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¾- .04½
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¾
42-44 w.w., tanks....gal. .04¼- .04½
Pennsylvania, 45 w.w., tanks, gal. .04¾- —
46 w.w., tanks....gal. .05 - —
47 w.w., tanks....gal. .05¼- —
Kerosene, tankwagon:—
Atlanta....gal. .12 - —
Boston....gal. .08 - —
Chicago....gal. .10¼- —
Cincinnati....gal. .13 - —
Denver....gal. .11¼- —
Louisville....gal. .10 - —
Minneapolis....gal. .10¾ - —
New Orleans....gal. .13½- —
New York....gal. .08¾- —
San Francisco....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs....lb. .07 - .08

L

Lady slipper root, bls....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city, tubs....100 lbs. 8.25 - 8.35
Middlewestern, trcs....100 lbs. 8.25 - 8.35
Neutral, trcs....100 lbs. 9.50 - 9.75
Western, choice, trcs....lbs. 8.35 - 8.45
Compound, trcs....100 lbs. 10.00 - 10.25
Larkspur seed, bgs....lb. .32 - .35
Laurel berries, bls....lb. .09 - .10
Leaves, Ital., bls....lb. .04¼- .04½
Lavender flowers, ordinary, bls. lb. .35 - .40
select, bls....lb. .46 - .48
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls....lb. .10 - —
gran., bbls....lb. .10¾- —
powd., bbls....lb. .10¾- —
Arsenate, bgs., dealers E. of Rockies..lb. .12½- —
W. of Rockies....lb. .12½- —
l.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies....lb. .12¾- —
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse pick ups.
Blue, basic sulphate, bbls., c.l., dlvd, E..lb. .06 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo....lb. .06¼- —
l.c.l., dlvd., E....lb. .06¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo....lb. .06½- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls....lb. .10 - .13
Oleate, bbls....lb. .18½- .20
Peroxide, cns., works....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0765- —
other points....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
other points....lb. .07¾- —
smaller lots, dlvd., Ala., etc..lb. .08½- —
Ariz., etc....lb. .09 - —
Colo., etc....lb. .08¾- —
other points....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc. lb. .0790- —
other points....lb. .0765- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc....lb. .08¾- —
Colo., etc....lb. .08½- —
other points....lb. .08 - —
smaller lots dlvd., Ala., etc..lb. .08¾- —
Ariz., etc....lb. .09¼- —
Colo., etc....lb. .09 - —
other points....lb. .08¼- —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0815- —
other points....lb. .0790- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc....lb. .08¾- —
Colo., etc....lb. .08½- —
other points....lb. .08¾- —
smaller lots dlvd., Ala., etc..lb. .09 - —
Ariz., etc....lb. .09¼- —
Colo., etc....lb. .09¼- —
other points....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .11¾- —
Resinate, fused, 16%, bbls...lb. .09¼- —
pale, bbls....lb. .11¼- —
precip., bbls....lb. .16¼- —
Stearate, bbls....lb. .22 - .23
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¼- —
smaller lots....lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07 - —
other points....lb. .08¾- —
l.c.l., dlvd., Ariz., etc..lb. .07¼- —
other points....lb. .07 - —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points....lb. .06 - —
l.c.l., dlvd., Ariz., etc..lb. .06½- —
other points....lb. .06¼- —
in oil, 100-lb. kgs., consumers, lb. .11¼- —
dealers....lb. .09¼- —
painters....lb. .10¼- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis....lb. .42½- .60

Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls....lb. .09 - .10
Licorice extract, mass, cs....lb. .17 - .18
powd., bbls....lb. .24 - .25
Root, bls....lb. .04½- .05
powd., bbls., bxs....lb. .07 - .08
select, bndls., cs....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo....ton. 6.50 - —
Keystone, Ala....ton. 7.00 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark....ton. 7.00 - —
Longview, Ala....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind....ton. 6.50 - —
Newala, Ala....ton. 6.25 - —
Oranda, Va....ton. 7.00 - —
Ripplemead, Va....ton. 7.00 - —
Riverton, Va....ton. 7.00 - —
Scioto, Ohio....ton. 6.00 - —
Sheboygan, Wis....ton. 7.00 - —
Sherwood, Wis....ton. 7.50 - —
Springfield, Mo....ton. 7.00 - —
Woodville, Ohio....ton. 7.00 - —
York, Pa....ton. 7.00 - —
hydrated, paper bgs., Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va....ton. 8.50 - —
Buffalo, N. Y....ton. 10.00 - —
Carey, Ohio....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass....ton. 9.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo....ton. 8.50 - —
Keystone, Ala....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn....ton. 10.00 - —
Limedale, Ark....ton. 9.00 - —
Longview, Ala....ton. 9.00 - —
Louisville, Ky....ton. 14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind....ton. 9.00 - —
Newala, Ala....ton. 9.00 - —
Oranda, Va....ton. 8.50 - —
Pelham, Ala....ton. 9.00 - —
Potoskey, Mich....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va....ton. 9.00 - —
Scioto, Ohio....ton. 8.00 - —
Sherwood, Wis....ton. 9.00 - —
Siluria, Ala....ton. 9.00 - —
Springfield, Mo....ton. 9.00 - —
Woodville, Ohio....ton. 8.50 - —
York, Pa....ton. 8.50 - —
spray, paper bags., f.o.b. Bellefonte, Pa..ton. 9.50 - —
Carey, Ohio....ton. 11.00 - —
Farnams, Mass....ton. 10.00 - —
Gibsonburg, Ohio....ton. 11.00 - —
Marblehead, Ohio....ton. 11.00 - —
Oranda, Va....ton. 9.00 - —
Scioto, Ohio....ton. 10.00 - —
Woodville, Ohio....ton. 11.00 - —
York, Pa....ton. 9.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis....lb. .12 - —
solution, zone 1, dms., consumer, gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l....gal. .13 - .14
Zone 5, tanks, dealers, dlvd., gal. .10½- —
c.l. and l.c.l....gal. .13 - .14
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms....gal. .09 - .13

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns....lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls. lb. .25 - .27
without leaves, bls....lb. .16 - .17
Linseed cake, bgs., export....ton. 30.00 - —
Meal, 34%, dom., bgs....ton. 42.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0665- —
dlvd., other points....lb. .0640- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points....lb. .06¾- —
smaller lots, dlvd., Ala., etc. lb. .07½- —
Ariz., etc....lb. .08 - —
Colo., etc....lb. .07¾- —
other points....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works....lb. 1.93 - —
25 lbs., works....lb. 1.95 - —
Carbonate, 250-lb., bbls....lb. 1.25 - —
100-lb. kgs....lb. 1.30 - —
Chloride, 25-lb. jars....lb. 1.65 - 1.70
Citrate, 250-lb. bbls....lb. 1.40 - —
25-lb. dms....lb. 1.45 - —
100-lb. kgs....lb. 1.40 - —
Iodide, 5-lb. bots....lb. 4.85 - —
25-lb. jars....lb. 4.70 - —
Fluoride, bbls....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd., E. or ex whse, Pac. Cst....lb. .05¾- —
smaller lots, same basis. lb. .05¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis. lb. .06¼- —

Lithopone, dom., ordinary, bgs., 20 tons, same basis..lb. .04½- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .05¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
Liverwort leaves bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs. .....lb. .40 - .45
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
import, bls. .....lb. .35 - .37
Lupulin, N.F., tins.....lb. 1.15 - 1.50
Lycopodium, cs. .....lb. 1.05 - 1.10

M

Mace, Banda, cs.....lb. .53 - .54
Batavia, cs.....lb. .40 - .41
Siauw, 1, cs.....lb. .46 - .47
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, cyl.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Magnesia, carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, Zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10⅛- —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. Zone 2, balance of U. S. C.l., shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld. including divd. store-door. Magnesia prices are f.o.b., Plymouth meeting house.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls. .....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
import, bbls.....ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots .....lb. .55 - —
cns., ...lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .47
blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls. .....lb. .20 - .21
Mandrake root, bls.....lb. .10½- .11
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs. .....lb. .12 - .12¼
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls. .....lb. .19 - —
Chloride, bbls. .....lb. .07½- .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.59.00 - —
l.c.l., 5 tons, works...ton.62.00 - —
smaller lots, works..ton.67.00 - —
burlap bgs., c.l., works.ton.57.00 - —
l.c.l., 5 tons, works..ton.60.00 - —
smaller lots, works.ton.65.00 - —
paper bgs., c.l., works.ton.55.00 - —
l.c.l., 5 tons, works..ton.58.00 - —
84-87% bgs., 28-40 tons, wks. ton.57.00 - —
5-15 tons, wks.....ton.60.00 - —
½-4 tons, wks.....ton.65.00 - —
300-600 lbs., wks....ton.75.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots ....lb. 2.01 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs. .....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots .....lb. .71 - —
cns., 25 lbs. .....lb. .81 - —
Hydrate, bbls., divd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.45 - —
jars, 25 lbs. .....lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19¼
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls., c.l., Atl. ports..unit-ton.45.00 -47.00
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms. .....lb. .12 - —
Sulphate, anhyd., bbls., works. lb. .07 - .07⅛
cryst., 65% $MnSO_4$, bgs., c.l., divd. South..ton.48.75 - —
l.c.l., bgs. .....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.24.00 - —
Manna flake, large, cs.....lb. .45 - .46
small, cs.....lb. .21 - .22
Mannitol, reagent, pure cryst., cs., works..lb. 1.30 - —
commercial, cryst., bbl., ton lots..lb. .55 - —
smaller lots.....lb. .70 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....ton. .16 - .16½
Tunisan, bls.....lb. .15½- .16
Matico leaves, bls.....lb. .24 - .25
Menthol, USP, natural, cs.....lb. 3.20 - 3.30
synthetic, tech., cs.....lb. 2.25 - —
USP, cs. .....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .....lb. .77 - —
25 lbs. .....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs. .....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
flb., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs .....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red *N. F.* bots., 5 lbs., lb. 3.55 - —
cns., 25 lbs. .....lb. 3.60 - —
flb., dms., 100 lbs.....lb. 3.60 - —
yellow, bots., 5 lbs.....lb. 3.50 - —
cns., 25 lbs. .....lb. 3.65 - —
lb., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Mercury, oxide red, N.F. (see ed precipitate).
tech. (see Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.21 - —
USP, flb dms., 50 lbs. or more..lb. 1.73 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
flb., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in...pkg. 1.50 - 1.75
composition, 5½x5½in...pkg. 1.70 - 1.80
Gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅞ in.....pkg.22.50 -23.00
3⅜x5⅞ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metan. vanillin kgs. .....lb. .67 Nom.
Metan.. oparatolmidin bbls....lb. 1.45 - —
Metaphenylenediamine kgs.. .lb. .65 - —
Metatoluylenediamine, kgs ...lb. .65 - —
Methanol, natural, denat. grade, tanks..gal. .25 - —
97% tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —
Methyl acetone, tanks.....gal. .25 - —
Methanol in drums, car lots, is 5c. per gal.
higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 8c. higher on tanks and 9c. per gal. higher on drums, car lots.

Methanol, pure, synth., dms., c.l., Zone 0, frt. alld. gal. .38 - —
2, frt. alld. .....gal. .42 - —
3, frt. alld.....gal. 42 - —
4, frt. alld.....gal. 44 - —
l.c.l., Zone 1 frt. alld. or divd..gal. .40½- —
Methanol, pure, synth., dms., l.c.l., zone 2, frt. alld or divd., gal. .47 - —
3, frt. alld. or divd gal 44½ - —
4, frt. alld. or divd. gal. 60 - —
tanks, Zone 1, frt. alld gal. 33 - —
2, frt. alld..... gal. .35½ - —
3, frt. alld..... gal. .36½ - —
4, frt. alld.....gal. .37 - —

Synthetic methanol sales zones are —Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

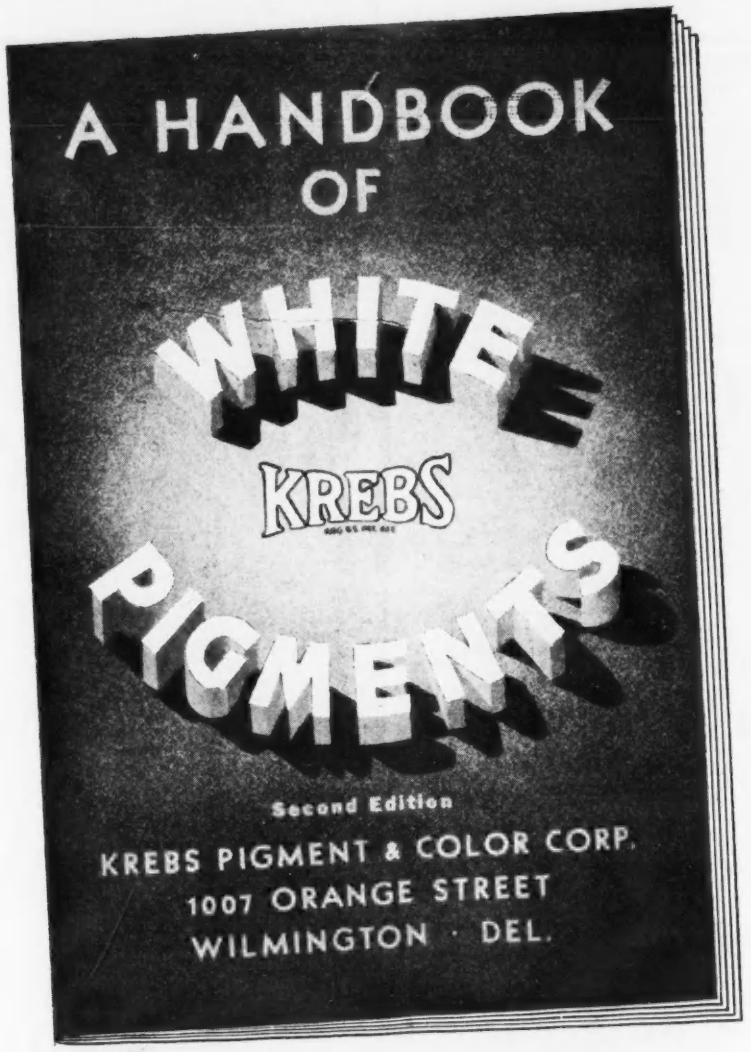
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
l.c.l., dms., divd. E. of Miss. R..lb. .08½- —
W. of Miss. R.....lb. .09½- —
tanks, divd. E. of Miss R. lb. .07 - —
W. of Miss. R.....lb. .08 - —
tech., dms., c.l., divd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —

Lithopone—Methyl Acetone

Methyl acetate, tech., dms., l.c.l., divd. E. of Miss. R.lb. .08 - —
W. of Miss. R. .....lb. .09 - —
tanks, divd. E. of Miss. R., lb. .06½- —
W. of Miss. R. .....lb. .07½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, tanks.....gal. .25 - —

Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies gal. .38 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
Zone 4.....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt., alld. E. of Rockies..gal .475 - —
3, Pacific Coast.....gal. .45 - —
4 .....gal. .605 - —
tanks Zone 1, frt. alld. E. of Rockies.....gal. .315 - —
2, ft. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —



Now...the

NEW SECOND EDITION

of this valuable handbook

Just off the press!

KREBS
REG. U.S. PAT. OFF.
PIGMENTS

KREBS PIGMENT & COLOR CORP.
1007 ORANGE STREET
WILMINGTON, DELAWARE

A REVISED and enlarged edition of the KREBS HANDBOOK OF WHITE PIGMENTS has just been released. It is yours for the asking.

This handy pocket-size guide is packed full of helpful information on both new and old white pigments. It discusses their chemical composition, physical properties and preferred uses.

Here are a few of the subjects covered by the HANDBOOK:

- "TI-TINT"—the new colored titanium dioxide pigments.
  "PONOLITH" LS—the low sheen lithopone for flats and casein paints.
  "TI-BAR" HH-K—a barium base pigment with improved suspension properties.
- Discussions of consistency and hiding power determinations.
- A table showing the properties and uses of all the Krebs white pigments.
- Details regarding the chemical composition of each of the major classes of Krebs white pigments, including lithopone, titanated lithopone, titanium dioxide and extended titanium pigments.

Be sure to write for a copy. You'll want it for reference. Write now, while you're thinking about it! There is no charge—no obligation.

Methyl Acetone—Ocher

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dels., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Methyl alcohol, (see Methanol).

Anthranilate, bots. .....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl. .....lb. .60 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 2.45 - 3.75
Formate, dms. .....lb. .35 - .36
Lactate, dms., l.c.l., dlvd..lb. .30 - —
Iodide, bots.....lb. 3.68 - 3.83
Salicylate, dms. .....lb. .40 - .42
cns. .....lb. .42 - .45
Violet toner, bbls.....lb. .38 - —
permanent, bbls. .....lb. .80 - —

Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb. 23.00 - 44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp, bots.....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —

Mica, dry-grd., amber, roofing, bgs., extra and returnable, c.l., works...ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs. works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs, works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., dlvd. E..lb. .04¼- —
l.c.l., 1,000 lbs., dlvd. E..lb. .04¾- —
smaller lots, dlvd. E..lb. .05¼- —
100 lbs., works....lb. .03½- —
paper, wall or coated, bgs., c.l., frt. all., E..lb. .04½- —
c.l., 1,000 lbs., frt. all., E..lb. .04¾- —
smaller lots, frt. alld., E..lb. .05½- —
rubber bgs., c.l., frt. alld. E., lb. .04 - —
l.c.l., 1,000 lbs., frt. alld., E..lb. .04½- —
smaller lots, frt. alld., E..lb. .05 - —

wet-ground mica prices are ½c. per pound higher on Pacific Coast.

Milk powder, skimmed roller, bbls., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
spray, bbls., c.l.....lb. .06½- —
l.c.l. .....lb. .07½- —
unskimmed, roller bbls., c.l.lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- —
Millet seed, yellow, bgs.....lb. .03 - .03¼
red, bgs.....lb. .0240- .0270
hulled, bgs. .....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P, naphtha).
Molasses, blackstrap, tanks..gal. .06½- —
New Orleans.....gal. .06 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .55 - —
Monobutylamine dms., l.c.l., works..lb. .65 - —
Monochlorobenzene, dms. .....lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylaniiin, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 6 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns.....lb. .80 - .85
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.25 - —
5 lbs. to 75 lbs.....lb. 3.50 - —
1 lb.....lb. 3.65 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb 3.65 - —
1 lb.....lb. 3.80 - —
xylol, cns., 100 lbs. or more, lb. 1.00 - —
5 lbs. to 75 lbs.....lb. 1.10 - —
1 lb. .....lb. 1.25 - —
Musk root, bls.....lb. .12 - .13
Mustard seed, Bombay, brown, bgs..lb. .04½- .05
California, brown, bgs.....lb. .07 - .07½
Chinese, yellow, bgs.....lb. .05¾- .06¼
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .07¾- .08
English, yellow, bgs.....lb. .09 - .09½
Hungarian, yellow, bgs....lb. .07¾- .08¼
Roumanian, yellow, bgs....lb. .06 - .06½
Myrobalans, J1, bgs., shipt...ton.27.00 - —
J2, bgs., shipt.....ton.19.00 - —
R2, bgs., shipt.....ton.17.00 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼
solid, 50% bbls.....lb. .04¾- —
powdered, 70% bbls.....lb. .05¾- —

N

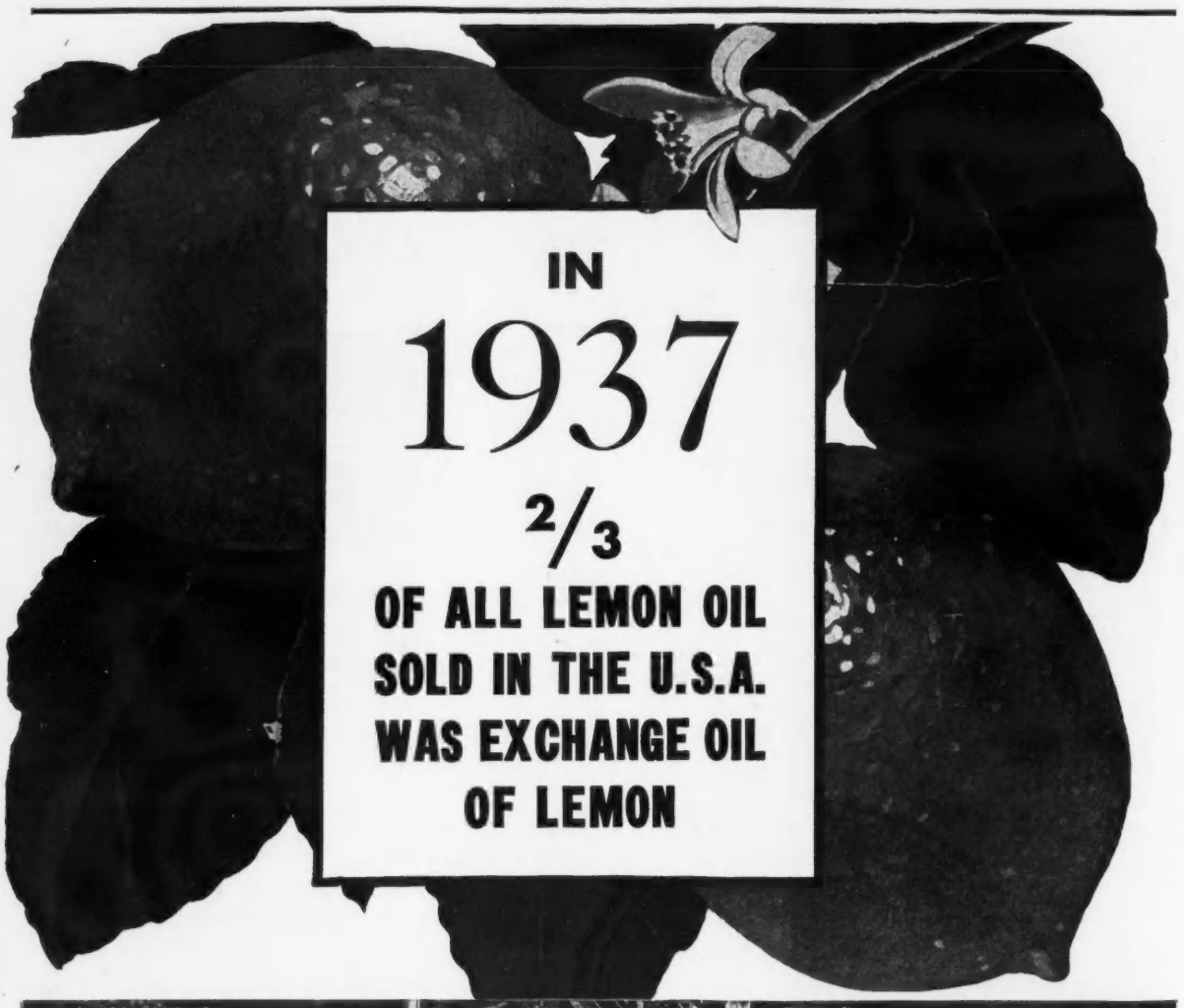
Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks., 100 lbs. 2.35 - 2.85
78 deg., bgs., bbls., wks., 100 lbs. 2.75 - 3.35
import, bgs., Atl. ports..100 lbs. 1.40 - 1.85
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .03¾- —
50-lb. cs., same basis...lb. .06 - —
pkgs. (16 oz.), same basis, lb. .06½- —
(12 oz.) same basis..pkg. .05¼- —
chipped, crushed, bbls. same basis..lb. .05¼- —
rice, cryst., powd., bbls., same basis..lb. .05¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls .....lb. .35 - .37½
Chloride, bbls. .....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb. tins .....lb. .83½- —
Nitersake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .20 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
ester-soluble, lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.02 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd....unit-ton No prices.
f.o.b. Chemical, Ill. unit-ton. 2.35 - 2.45
East Coast producing points..unit-ton. 2.65 - 2.75
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.65 - 2.70
Nitronaphthalene, bbls.....lb. .24 - .28
Nutgalls, Aleppo, bgs., cs.....lb. No prices
Chinese, shipt., cs.....lb. No prices
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .49 - .50
110s, bgs., cs.....lb. .19 - .19½
West Indian, bgs.....lb. .10¾- .11
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l. wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).



THERE you have the fact and the reason for it. Quality and fair price have made Exchange Brand the fastest selling oil of lemon in the United States by 2 to 1!

It is made in the largest plant in the world devoted exclusively to lemon products. Nowhere else has uniformity been so exactly attained—or the American taste so successfully met.

Next time specify Exchange Brand Oil of Lemon, U. S. P. (Clarified). Find out why it leads in popularity.

Exchange BRAND
OIL OF LEMON U. S. P.
Sold to the American market exclusively by
FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York, N.Y.
DODGE & OLCOTT COMPANY
180 Varick Street, New York, N.Y.
Distributors for
California Fruit Growers Exchange
Products Department . . . . Ontario, California
Producing Plant:
EXCHANGE LEMON PRODUCTS CO.
Corona, California

Copyright, 1938, California Fruit Growers Exchange, Products Department

Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.50
s.p.a., bots.....lb. 2.05 - 2.75
sweet, true, exp., cns.....lb. .65 - .68
Amber, crude, cns.....lb. .16 - .17
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb. 52.00 -53.00
seed, bots.....lb. 70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .76 - .78
Apricot kernel, cns.....lb. .28 - .32
Babassu, tanks .....lb. .06⅝ Nom.
Bay, W. I., cns.....lb. 1.35 - 1.50
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers .....lb. 3.90 - 4.00
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .16 - .17
rectified, cns. .....lb. .65 - .70
Bois de rose, Brazil, cns....lb. 1.55 - 1.60
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .42 - .43
USP IX, cns. .....lb. .48 - .50
Calamus, cns. .....lb. 3.60 - 4.25
Camphor, sassafrassy, cns....lb. .21 - .22
dms. .....lb. .19 - .20
white, cns.....lb. .20 - .21
dms. .....lb. .17 - .18
Cananga, native, cns.....lb. 1.25 - 1.30
rectified, cns. .....lb. 1.80 - 1.85
Capsicum (oleoresin), USP X, cns. lb 1.90 - 2.00
Caraway, USP, cns.....lb. 1.85 - 1.90
Cardamom, bots. .....lb. 1.50 -33.00
Cassia, USP, cns., dms.....lb. .85 - .90
Castor, blown, one-way dms., c.l...lb. .11¼- —
l.c.l. .....lb. .12 - —
Medicinal, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
cns. (1-gal.), l.c.l.....lb. .13½- —
dms. (returnable), c.l. ..lb. .09½- —
l.c.l. .....lb. .10¼- —
(5-gal.), l.c.l. .....lb. .11½- —
tanks .....lb. .09 - —
No. 3, bbls., c.l.....lb. .09¼- —
l.c.l. .....lb. .10 - —
dms. (returnable), c.l....lb. .09 - —
l.c.l. .....lb. .09¼- —
tanks .....lb. .08½- —
Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
Sulphonated, 50% (48% fat), dms., c.l..lb. .06¼- .06⅝
l.c.l. .....lb. .07¼- .08⅝
75% (63% fat), dms., c.l..lb. .09 - .09½
l.c.l. .....lb. .10 - .10½
80% (68% fat), dms., c.l..lb. .09½- .10½
l.c.l .....lb. .10½- .11
Cedarleaf, cns. .....lb. .63 - .68
dms. .....lb. .60 - .65
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns.. dms.....lb. .20 - .23
Celery, bots.....lb. 7.50 -14.50
Chaulmoogra, USP, cns., 500 lbs., lb. .90 - —
25 lbs. .....lb. 1.00 - —
Chinawood, dms.....lb. .13¼- .13½
tanks .....lb. .1250- .1300
Cinnamon, Ceylon, bots.....lb. 8.00 -22.00
Seychelle, bots. .....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .35 - .35½
dms. .....lb. .33½- .34
Java, dms.....lb. .38 - .40
Clove, makers, USP, cns.....lb. .98 - —
dms. .....lb. .95 - —
Coconut, Manila, crude, tanks.lb. .03¼- —
Pac. Cst.....lb. .02⅞ Nom.
edible, 76°, tax incl., dms., (returnable), c.l..lb. .09 - —
l.c.l. .....lb. .09¼- —
tanks .....lb. .08¼- —
Cod, Newfoundland, shipt., tanked, bbls..gal. .38 Nom.
Norwegian, shipt., bbls..gal. .27 - .29
Codliver, med., U.S.P., Norwegian, bbls..bbl.26.00 - 27.00
Coriander, bots. .....lb.18.00 -20.00
Corn, crude, tanks, works...lb. .07¼- .07½
refd., bbls.....lb. .09¾- .10
Cottonseed, dom., cooking, bbls..lb. .09¼- —
salad, bbls.....lb. .09½- —
import, Brazilian, semi-refd., dms..lb. .0475- —
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.50 - 2.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.75 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 3.00 - 3.25
weed, bots.....lb. 3.85 - 4.10
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.55
Eucalyptus, cns.....lb. .35 - .37
dms. .....lb. .33 - .35
Fennel, sweet, cns .....lb. 1.10 - 1.15
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .85 - .90
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. .95 - —
Tuesday .....bbl. .95 - —
Wednesday .....bbl. .95 - —
Thursday .....bbl. .95 - —
Friday .....bbl. .95 - —
Saturday .....bbl. .95 - —
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test.....bbl. 1.10 - 1.15
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .06 - —
2, bulk, same basis.....gal. .04½- —
4, bulk, same basis.....gal. .04⅝- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¾- .04
Oklahoma, 28-30.....gal. .03¼- .03½
32-36 .....gal. .03½- .03⅝
36-38 .....gal. .03⅝- .03¾
38-40, straw.....gal. .03¾- .04
38-40 zero, 60 c.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04¾- —
Gulf Coast, bulk.....gal. .04½- .04½
North Texas, bulk.....gal. .02¾- .03
Oklahoma, bulk.....gal. .02¾- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns.lb. 3.25 - 4.50
Bourbon, cns.....lb. 2.65 - 3.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 2.15 - 2.20
Grapeseed, dms.....lb. .40 - .60
Ginger, dist., bots.....lb. 5.75 - 6.00
Guaiac wood, concrete, bots.lb. 2.75 - 3.10
Haarlem, import., bots....gross 3.25 - 3.35
Halibut-liver, dms.....
1,000 A unit gal. .75 - 1.00

Oil, Hemlock, cns.....lb. .75 - 1.00
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lb. dms..lb. .39 - .40
cns. .....lb. .44 - .45
Lard, common, 1, bbls.....lb. .08½- —
2, bbls.....lb. .08¼- —
extra, bbls.....lb. .09 - —
1, bbls.....lb. .08¾- —
winter, strained, extra, bbls., lb. .09¼- —
prime burning, bbls.....lb. .09½- —
prime, ed., bbls.....lb. .11½- —
ined., bbls.....lb. .09½- —
Laurel, bots.....lb. 6.25 - 6.50
Lavandin, cns., 25 lbs.....lb. 2.00 - 2.05
Lavender flower, French, 50% ester, cns..lb. 4.75 - 5.00
38-42% ester, cns.....lb. 3.25 - 4.25
35-38% ester, cns.....lb. 2.75 - 3.00
30-32% ester, cns.....lb. 2.00 - 2.25
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.15 - 4.00
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., cns.....lb. 4.25 - 4.75
expressed, cns.....lb. 7.50 - 8.50
Linaloe wood, cns.....lb. 1.25 - 1.30
Linseed, boiled, bbls., c.l....lb. .0850- .0880
l.c.l., 5 or more.....lb. .0890- .0920
less than 5.....lb. .0930- .0960
tanks .....lb. .0790- .0820
double boiled, bbls., less than 5 lbs..lb. .0950- .0980
raw, bbls., c.l.....lb. .0810- .0840
l.c.l., 5 or more.....lb. .0850- .0880
less than 5.....lb. .0890- .0920
tanks .....lb. .0750- .0780
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms..gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .18¾- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4¾, 15-25 pour, tanks..gal. .23 - —
200-210 E. 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks... gal. .13 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks. gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks. gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks, gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600 cold test, 10-15 pour, tanks..gal. .18 - —
cylinder, 600 fire, tanks, gal. .11½- —
600 flash, tanks.....gal. .14 - —
630 flash, tanks.....gal. .17 - —
695 fire, tanks.....gal. .12½- —
650 fire, tanks.....gal. .13½- —
Warren, E, amber, tanks, gal. .15 - —
neutral, 150 vis., 3 color, tanks..gal. .18 - —
180 vis., 3 color, tanks..gal. .18½- —
200 vis., 2 color, tanks..gal. .19 - —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .27 - .28
unfiltered, 600 s.r....bbls., f.a.s..gal. .21 - —
600 flash, s.r., bbls., c.l., gal. .23½- —
630 s.r., bbls., c.l., f.a.s. gal. .25 - —
Warren, E, bbls., c.l., f.a.s. gal. .24½- —
smaller lots, f.o.b..gal. .26½- —
Mace, dist., cns., dms.....lb. 1.20 - 1.25
Mandarin, superior, coppers..lb. 6.00 - 7.50
Menhaden, crude, tanks, f.o.b. Balto..gal. .30 - —
refd., alkali, dms.....lb. .0710- .0730
tanks .....lb. .0650- —
blown, dms.....lb. .0710- .0730
kettle-bodied, dms.....lb. .0800- .0820
light, pressed, dms.....lb. .0650- .0670
tanks .....lb. .0590- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.65 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .65½- .70
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .09 - —
1, bbls.....lb. .08¾- —
pure, bbls.....lb. .11¾- —
prime, bbls. .....lb. .09¼- —
sulphonated, common, 25% moisture, dms..lb. .10¼- —
Neroli, bots.....lb.115.00- 140.00
Nutmeg, USP, cns., dms....lb. 1.20 - 1.25
Oiticica, dms. .....lb. .10⅜- .11
Oleo, 1, bbls.....lb. .09¼- —
2, bbls.....lb. .09 - —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .94 - .98
edible, bbls.....gal. 1.75 - 2.00
foots, bbls.....lb. .07¼- .07½
sulphonated, 50% (48% fat), dms., c.l..lb. .11½- .12
l.c.l. .....lb. .12½- .13
75% (63% fat), dms., c.l..lb. .13½- .14
l.c.l. .....lb. .14½- .15
80% (68% fat), dms., c.l..lb. .14½- .15
l.c.l. .....lb. .15½- .16
Orange sweet, dist., cs.....lb. .50 - —
expressed, African, cns., dms..lb. .80 - .85
Calif., cns.....lb. .65 - .75
Messina, USP, coppers.lb. 2.25 - 3.25
West India, cns.....lb. 1.90 - 2.00
Origanum, Spanish, cns.....lb. .90 - 1.60
Orris, Florentine, concrete, extra strong bots..oz. 5.25 - 5.50
Palm, Niger, csks. .....lb. .03⅝- —
shipment .....lb. .02⅜- —
softs, 12½%, bulk, shipt....lb. .02⅜- —
20%, bulk, shipt.....lb. .0270- —
Sumatra, shipt., bulk.....lb. .02⅜- —
Palmarosa, cns. .....lb. 2.00 - 2.25
Palmkernel, bulk, shipt.....lb. .0365 Nom.

Oil, paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 3.75 - 8.00
Peanut, crude, dom., tanks..lb. .07¼ Nom.
refd., edible, bbls.....lb. .10½- .10⅝
Pennyroyal, dom., cns.....lb. 1.40 - 1.45
import, cns. .....lb. 1.35 - 1.40
Peppermint, natural, cns., dms., lb. 2.20 - 2.45
redist., USP, cns., dms....lb. 2.30 - 2.65
Perilla, dms. .....lb. .10¼- .10½
tanks .....lb. .0960- .0980
Petitgrain, Paraguay, cns....lb. .90 - 1.00
Pimento berry, cns.....lb. 3.65 - 7.50
leaf, cns. .....lb. 2.30 - 2.40
Pine, dest.-dist., straw-color, dms., dlvd., E. ports...gal. .46 - .48
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. .95 - 1.00
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14 - .14½
denat., bbls.....gal. .75 - .80
Red, dist. or saponif., bbls., dlvd..lb. .08⅝ Nom.
dms., dlvd.....lb. .08¼ Nom.
tanks, dlvd.....lb. .07½ Nom.
white, dms.....lb. .11¼ Nom.
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms. .....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .45 - —
2d rectfd., dms.....gal. .47 - —
3d rectfd., dms.....gal. .51 - —
Rue, bots.....lb. 2.15 - 2.20
Sage, cns. .....lb. 1.30 -35.00
Sandalwood, E.I., USP, cns..lb. 4.75 - 4.80
Sardine, crude, tanks, Pac. Cst. gal. .28 - —
refd., alkali, dms.....lb. .0710- .0730
tanks .....lb. .0650- —
kettle-bodied, dms.....lb. .0800- .0820
light, pressed, dms.....lb. .0650- .0670
tanks .....lb. .0590- —
Sassafras, artif., cns.....lb. .36 - .37
dms. .....lb. .34 - .35
natural, cns., dms.....lb. 1.00 - 1.05
Savin, cns.....lb. 1.65 - 1.70
Savory, cns.....lb. 2.00 - 2.25
Sesame, refd., dms.....lb. .10½ Nom.
Shingle stain, bbls., c.l., wks. gal. .18 - —
l.c.l., works.....gal. .21 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms...lb. .0650- .0700
tanks .....lb. .05¾- —
refd., dms.....lb. .0767½- .0725
tanks .....lb. .0685- —
Spearmint, USP, cns.....lb. 1.70 - 1.75
Sperm, bleach, 38°, dms.....lb. .1000- .1020
45°, dms.....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cns., dms.....lb. .75 - 1.00
Sweet, birch, North, cns....lb. 2.25 - 3.50
South cns.....lb. 1.65 - 2.00
Tall, crude, dms., c.l., works, ton.45.00 - —
l.c.l., works.....ton.50.00 -65.00
tanks, works.....ton.35.00 - —
refined, dms., c.l., works...lb. .05½- —
l.c.l., works.....lb. .06 - —
tanks, works.....lb. .05 - —
Tallow, acidless, bbls.....lb. .08½- —
tanks .....lb. .08 - —
Tansy, cns.....lb. 5.50 - 5.75
Tar, coml. dms., c.l., dlvd., E. cities..gal. .26 - —
E. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities...gal. .20 - —
rectfd., USP, bbls., dlvd., E. ports..gal. .50 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .07½- .07⅝
Tea Tree (see Oil, ti tree).
Thyme, NF, red, dms.....lb. .85 - 1.25
white, dms. .....lb. .85 - 1.45
Ti tree, cns.....lb. 3.10 - 3.50
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns. .....gal. 4.25 - 5.00
Valerian, bots. .....lb. 8.00 - 8.25
Vetiver, bots. .....lb. 4.35 -16.50
Walnut, crude, dms.....lb. .13 - .13½
refd., dms. .....lb. .14 - .14⅛
Whale, refd., natural, dms....lb. .0770- .0790
winter, bleach, dms.....lb. .0810- .0830
Wheat germ, phar., cns., dms. gal.22.50 -30.00
feedstuff, cns., dms.....gal.17.50 -25.00
White, mineral, doms., tech., 50-60 vis., dms.....gal. .42 - —
65-75 vis., dms.....gal. .44 - —
80-90 vis., dms.....gal. .45 - —
USP, 80-90 vis., dms....gal. .49 - —
95-105 vis., dms.....gal. .57 - —
125-135 vis., dms.....gal. .64½- —
140-150 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
200-210 vis., dms.....gal. .74½- —
320-330 vis., dms.....gal. .80½- —
335-345 vis., dms.....gal. .82 - —
Russian, 80-90 vis., dms.gal. .49 - —
145-155 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
235-345 vis., dms.....gal. .82 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.60 - 2.65
Wormwood, cns.....lb. 2.75 - 3.25
Ylang-ylang, Bourb., bots., cns., lb. 3.50 - 6.00
Manila, bots. .....lb.18.00 -24.00
Olivine, aggregate, c.l., mines. ton. 5.00 - 8.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
Olivine, ground, 200 mesh, c.l., mines..ton.15.00 - —
20 mesh to dust.....ton.10.00 - —
Opium, USP, cns.....lb.11.50 -12.50
gran., cns. .....lb.12.50 -13.50
powd., cns. .....lb.12.50 -13.50
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash...lb. .10½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11 - —
Colo., Mont., N. M., Wyo..lb. .10⅝- —
Other points .....lb. .10¼- —
smaller lots, dlvd., Ala., etc..lb. .11 - —
Ariz., etc. .....lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¼- —
Other points .....lb. .10⅝- —

Octanes—Petroleum

Orange mineral, French, Tours, casks, ex dock..lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .33 - .35
Orange peel, bitter, bls.....lb. .08 - .09
sweet, bls .....lb. .09 - .10
Orris root, Florentine, bgs.....lb. .10 - .11
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .09 - .10
powd., bxs., cs.....lb. .12 - .13
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works.lb. .16½- —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .08 - —
Orthotoluenehydrochloride, dms.lb. .22 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .16 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls.....lb. .08 - —
51°, bbls.....lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. 1.25 - 1.30
Paprika, Hungarian, extra fancy, bgs..lb. .27½- .28
medium, bgs.....lb. .27 - .28
Spanish, extra fancy, cs.....lb. .30 - .31
fair, bgs.....lb. .25 - .25½
fancy, bgs.....lb. .30 Nom.
medium, bgs.....lb. .28 Nom.
Para-aminoacetanilide, kgs. ..lb. .85 Nom.
Parachlorophenol, dms. .....lb. .45 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .02¼- —
bbls., c.l., N. Y.....lb. .0240- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .02¼- —
bbls., c.l., N. Y.....lb. .0235- .0245
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02¼ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .03¾- —
loose, c.l.....lb. .0355- —
125-127 A.m.p., bgs., c.l..lb. .0390- —
loose, c.l.....lb. .0370- —
128-130 A.m.p., bgs. or loose, c.l..lb. .04 - —
131-133 A.m.p., bgs. or loose, c.l..lb. .0435- —
133-135 A.m.p., bgs. or loose, c.l..lb. .0465- —
135-137 A.m.p., bgs. or loose, c.l..lb. .0490- —
138-140 A.m.p., bgs. or loose, c.l..lb. .0565- —
143-145 A.m.p., bgs. or loose, c.l..lb. .0660- —
151-153 A.m.p., bgs. or loose, c.l..lb. .08½- —
refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is .05c. lower.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .02½- .02⅝
semirfd., solid, 122-124 A.m.p., bgs..lb. .02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., 99% 55 and 100 gal. dms., dlvd..lb. .16 - —
5 and 10 gal. dms., dlvd., lb. .17 - —
USP, cs., cbys.....lb. .37 - .45
Paranitroanilin, kgs., works...lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., lb. .23 - .23
less car lot, same basis.lb. .24 - .30
Passion flower herb, bls.....lb. .07 - .07½
Patchouli leaves, bls.....lb. .18 - .20
Pellitory root, bls.....lb. .16 - .17
Pennyroyal herb, bls.....lb. .07 - .08
leaves, bls.....lb. .14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3..gal. .11¼- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bgs...lb. .08 - .08¼
Lampong, bgs .....lb. .04¾- .04¾
Tellicherry, bgs. .....lb. .08¾- .09
Red, chillies, Japan, 1, bgs..lb. .19 - .19½
Mombassa, bgs.....lb. .21 Nom.
White, Java, Muntok, bgs...lb. .08 - .08¼
Saigon, bgs. .....lb. .07¾- .08
Peppermint leaves, dom., bls..lb. .25 - .27
import, bls.....lb. .42 - .45
Peru, balsam, dms.....lb. .65 - .70
Petrolatum, amber, bbls., c.l..lb. .02¾- .03⅛
l.c.l. .....lb. .03⅛- .03⅜
extra, bbls.....lb. .02⅜- .03
l.c.l. .....lb. .03¾- .04½
cream (see white, cream).
green (see red).
red, veterinary, bbls., c.l....lb. .02½- —
white, cream, bbls., c.l.....lb. .04¼- —
l.c.l. .....lb. .05¾- .06⅛
lily, bbls., c.l.....lb. .05¼- —
l.c.l. .....lb. .06¾- .07⅛
snow, bbls., c.l.....lb. .06¼- —
l.c.l. .....lb. .07¾- .08⅛
Petroleum, crude, bulk, at wells:—
California—
Alamitos Heights.....bbl. .74 - .86
Athens .....bbl. .84 - 1.06
Beldridge .....bbl. .70 - 1.23
Buena Vista Hills.....bbl. .70 - 1.38
Canal-Greely .....bbl. .91 - 1.68
Coalinga .....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Domingues .....bbl. .79 - 1.00
East Coyote .....bbl. .76 - .96
Elk Hills .. ..bbl. .70 - 1.38

Petroleum—Pet. Thinner

Petroleum, crude, bulk, at wells:—
California:—

Elwood Terrace, f.o.b. ship.,	bbl.	1.28	- 1.43
El Segundo	bbl.	.80	- 1.21
Huntington Beach	bbl.	.78	- 1.22
Inglewood	bbl.	.79	- 1.27
Kern Front	bbl.	.70	- —
Kern River	bbl.	.70	- —
Kettleman Hills	bbl.	1.19	- 1.43
La Habra	bbl.	.76	- .96
Lakeview	bbl.	.70	- 1.36
Lost Hills	bbl.	.70	- 1.18
McKittrick	bbl.	.70	- —
Midway - Sunset (except Lakeview)	bbl.	.70	- 1.36
Montebello	bbl.	.77	- 1.43
Mt. Poso	bbl.	.70	- —
Mountain View	bbl.	.70	- 1.20
Newhall	bbl.	.70	- —
Orcutt	bbl.	.70	- .93
Olinda Brea	bbl.	.76	- 1.27
Playa del Rey, f.o.b. pipe-line	bbl.	.80	- 1.16
Richfield	bbl.	.76	- 1.09
Rosecrans	bbl.	.84	- 1.66
Round Mt.	bbl.	.70	- —
Santa Fe Springs	bbl.	.78	- 1.42
Santa Paula	bbl.	.70	- 1.01
Seal Beach	bbl.	.79	- 1.19
Signal Hill	bbl.	.80	- 1.21
Torrence	bbl.	.80	- 1.05
Wheeler Ridge	bbl.	.70	- .83
Whittier	bbl.	.76	- .96
Wilmington	bbl.	.75	- 1.21
Canada:—			
Oil Springs	bbl.	2.17	- —
Petrolia	bbl.	2.10	- —
Central West:—			
Illinois	bbl.	1.35	- —
Lima	bbl.	1.25	- —
Midland (Mich.)	bbl.	1.12	- —
Princeton	bbl.	1.35	- —
East Texas	bbl.	1.20	- 1.25
Gulf Coast:—			
Barber's Hill	bbl.	.95	- 1.41

Petroleum, crude, bulk, at wells:—
Gulf Coast:—

Batson	bbl.	.95	- 1.41
Dayton	bbl.	.95	- 1.41
Esperson	bbl.	.95	- 1.41
Goose Creek	bbl.	.95	- 1.41
Hull	bbl.	.95	- 1.41
Humble	bbl.	.90	- 1.41
Liberty	bbl.	.90	- 1.41
Markham	bbl.	.90	- 1.29
Orange	bbl.	.95	- 1.41
Pettus	bbl.	1.37	- —
Pierce Junction	bbl.	.95	- 1.41
Refugio (incl. Greta, Taft, Saxet)	bbl.	1.01	- 1.17
Saratoga	bbl.	.95	- 1.41
Sour Lake	bbl.	.90	- 1.41
Spindle Top	bbl.	.95	- 1.41
Sugarland	bbl.	.95	- 1.41
West Columbia	bbl.	.95	- 1.41
Kentucky, Tennessee:—			
Big Sandy river	bbl.	1.42	- —
Kentucky river	bbl.	1.50	- —
Western Kentucky (Owensboro)	bbl.	1.30	- —
Louisiana, Arkansas:—			
Bull Bayou	bbl.	.90	- 1.22
Caddo	bbl.	.90	- 1.22
Cameron Meadows	bbl.	.90	- 1.30
Choctaw	bbl.	.90	- 1.30
Cotton Valley	bbl.	.90	- 1.22
Darrow	bbl.	.90	- 1.30
De Soto	bbl.	.90	- 1.22
El Dorado	bbl.	.90	- 1.22
Haynesville	bbl.	.90	- 1.22
Homer	bbl.	.90	- 1.22
Iowa	bbl.	.90	- 1.30
Lockport	bbl.	.90	- 1.30
Miller County	bbl.	.90	- 1.22
Pine Island	bbl.	.90	- 1.22
Rainbow	bbl.	.90	- 1.22
Rodessa	bbl.	.90	- 1.22
Smackover	bbl.	.90	- —
Tepetate	bbl.	1.24	- —
Urania	bbl.	1.02	- —
Mexico, f.o.b. terminals Mexican ports—based on contract:—			
Panuco	bbl.	No prices	
Tuxpan	bbl.	No prices	

Petroleum, crude, bulk, at wells:—
Midcontinent:—

North Texas	bbl.	.96	- 1.20
Oklahoma-Kansas	bbl.	.93	- .130
Altus, Tipton (Okla.),	bbl.	.96	- 1.20
Pennsylvania, Ohio West Virginia:—			
Bradford-Allegany	bbl.	1.68	- —
Corning	bbl.	1.07	- —
Pennsylvania grade, in Buckeye lines	bbl.	1.18	- —
Eureka lines	bbl.	1.28	- —
N. Y. Transit lines,	bbl.	1.68	- —
S. W. Penn. lines	bbl.	1.34	- —
lower district in National Transit lines	bbl.	1.56	- 1.61
Rocky Mountain:—			
Big Muddy	bbl.	1.18	- 1.23
Canon City-Florence	bbl.	1.10	- —
Cat Creek	bbl.	1.40	- —
Dutton Creek	bbl.	1.06	- 1.30
Elk Basin	bbl.	1.05	- —
Fort Collins-Wellington,	bbl.	1.01	- 1.25
Frannie, light	bbl.	.65	- —
Grass Creek, light	bbl.	1.05	- —
Greybull	bbl.	1.30	- —
Iles	bbl.	1.12	- 1.18
Lance Creek	bbl.	.97	- —
Lander	bbl.	.51½	- —
Midway	bbl.	1.00	- 1.30
Rock Creek	bbl.	1.20½	- —
Salt Creek	bbl.	1.06	- 1.30
Sunburst	bbl.	1.20	- —
Torchlight	bbl.	1.30	- —
South, Central and Southwestern Texas:—			
Cass County	bbl.	.98	- 1.25
Cleveland-Liberty	bbl.	1.27	- —
Conroe	bbl.	1.20	- 1.44
Darst Creek	bbl.	1.09	- —
Hardin-Liberty	bbl.	1.15	- —
Luling	bbl.	1.00	- —
Lytton Springs	bbl.	1.12	- —

Petroleum, crude, bulk, at wells—
South, Central and S.W. Texas:—

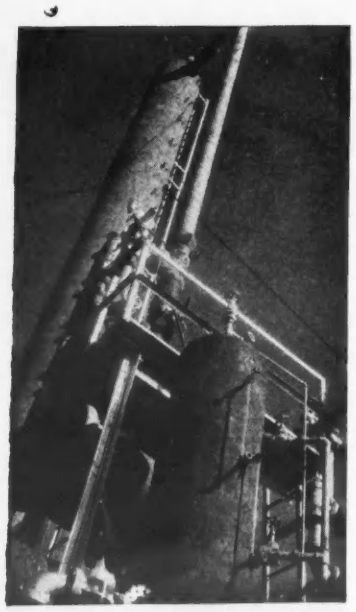
Mirando (incl. Duval)	bbl.	.96	- 1.30
Panola County	bbl.	.93	- 1.25
Salt Flat	bbl.	1.09	- —
Tomball	bbl.	1.20	- 1.44
West Beaumont	bbl.	.95	- 1.29
Van	bbl.	1.10	- —
Texas Panhandle:—			
Carson-Hutchinson counties,	bbl.	.91	- 1.08
Gray County	bbl.	.96	- 1.08
West Texas:—			
Artesia, N. M.	bbl.	.90	- —
Crane	bbl.	.78	- 1.08
Crockett	bbl.	.78	- 1.08
Ector	bbl.	.78	- 1.08
Eddy (N. M.)	bbl.	.90	- —
Hogback	bbl.	1.33	- —
Howard	bbl.	.78	- 1.08
Jackson, N. M.	bbl.	.90	- —
Lea, N. M.	bbl.	.78	- 1.08
Marjamar, N. M.	bbl.	.90	- —
Mitchell	bbl.	.78	- 1.08
Pecos	bbl.	.91	- —
Upton	bbl.	.78	- 1.08
Winkler	bbl.	.78	- 1.08
Ether, 30-60°, dms., c.l., G. 3,	gal.	.14	- —
l.c.l., G. 3	gal.	.25	- —
tanks, G.3	gal.	.13	- —
35-60°, dms., l.c.l., G.3	gal.	.30	- —
40-75°, dms., c.l., G.3	gal.	.14	- —
l.c.l., G.3	gal.	.25	- —
tanks, G.3	gal.	.13	- —
laboratory grade, dms., c.l., G.3.	gal.	.14	- —
c.l., G.3	gal.	.25	- —
10-gal. lots, G.3	gal.	.50	- —
Lacquer, diluent, at refinery:—			
California, 100 i.b.p., 200 e.p., tanks, delvd. Los Angeles	gal.	.11	- —
San Francisco	gal.	.11½	- —
f.o.b. Richmond	gal.	.11	- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	- —
East Coast, tanks	gal.	.12	- .12½
Group 3, tanks	gal.	.07⅝	- .07⅝
Naphtha, cleaners', at refinery:—			
East Coast, tanks	gal.	.10	- —
Group 3, tanks	gal.	.06⅜	- .06⅜
tankwagon, Boston, ex tax,	gal.	.13	- —
Bridgeport	gal.	.13½	- —
Chicago, inc. 4c. tax.	gal.	.17½	- —
Decatur, inc. 4c. tax.	gal.	.194	- —
Des Moines, inc. 4c. tax.	gal.	.192	- —
Evansville, inc. ex tax.	gal.	.14½	- .15½
Milwaukee, inc. 5c. tax.	gal.	.206	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.208	- —
Newark, ex tax.	gal.	.12½	- —
New York, ex tax.	gal.	.11	- —
Omaha, ex tax.	gal.	.144	- .154
Philadelphia, ex tax.	gal.	.12½	- —
St. Louis, inc. 1c. tax.	gal.	.16	- —
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½	- .10
Group 3, light, 120 i.b.p., 250 e.p., tanks	gal.	.06⅜	- .06⅝
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06⅜	- .06⅝
Stoddard (CS 3-38), at refinery:—			
East Coast, tanks	gal.	.10	- —
Group 3, tanks	gal.	.05⅞	- .06⅛
tankwagon, Boston, ex tax,	gal.	.12½	- .13⅛
Chicago, inc. 4c. tax.	gal.	.159	- —
Decatur, inc. 4c. tax.	gal.	.184	- —
Des Moines, inc. 4c. tax.	gal.	.182	- —
Evansville, Ind., ex tax.	gal.	.135	- .145
Milwaukee, inc. 5c. tax.	gal.	.196	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.177	- —
Newark, ex tax.	gal.	.09½	- .11½
New Orleans, ex tax.	gal.	.11	- —
New York, ex tax.	gal.	.09½	- .11¼
Omaha	gal.	.131	- .14
Philadelphia, ex tax.	gal.	.10½	- .12½
St. Louis, inc. 1c. tax.	gal.	.139	- —
Tulsa, ex tax	gal.	.10	- .11
Thinner, at refinery:—			
California, 34. 325 i.b.p., 390 e.p., low anilin, 6,000 gal. tanks or transport trucks f.o.b. Los Angeles	gal.	.15	- —
Portland, Ore.	gal.	.16	- —
Richmond	gal.	.14½	- —
Seattle, Wash.	gal.	.16½	- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore.,	gal.	.10½	- —
Richmond	gal.	.10	- —
Southern Calif.	gal.	.09½	- —
56, 200 i.b.p., 300 e.p., tanks, f. o. b. El Segundo	gal.	.11	- —
Portland, Ore.	gal.	.12	- —
Richmond	gal.	.11½	- —
Seattle, Wash.	gal.	.12	- —
East Coast, 43-47, tanks.	gal.	.09½	- .10
47-49, tanks.	gal.	.09½	- .10
New Jersey, tanks.	gal.	.09	- —
Group 3, tanks.	gal.	.06⅜	- .05⅝
tankwagon, tax included:—			
Albany	gal.	.13	- —
Baltimore (100 gals.)	gal.	.12½	- .15⅛
25-99 gals.	gal.	.13½	- .15½
Boston	gal.	.12½	- .13⅛
Bound Brook, North Amboy, N. J.	gal.	.11½	- .13⅛
Bridgeport, Conn.	gal.	.11½	- —
Buffalo	gal.	.12½	- —

Constant Uniformity

One of Skellysolve's 5 Advantages As A Lacquer Diluent

by **A. ERNEST MACGEE**

Manager Skellysolve Division, Skelly Oil Company



Skelly's plant equipment and vast resources assure ample supplies of highest quality for years to come.

We've learned, from years of contact with our friends in the paint, varnish and lacquer industries, how costly it is for you to change formulas with each new shipment of solvents. So we're particularly pleased to point out Skellysolve's *constant uniformity, car after car,* that enables you to cut operating expense.

Skellysolve offers you other important advantages, too. *No greasy residues,* for one. Drying is complete and rapid, with minimum gum formation. *Close boiling ranges,* for another. We give you some as low as 15° F. from initial to dry flask end point, and they're *constant,* in storage and formulas. *Low evaporation losses,* that save you money, reduce fire hazard and tendency to blush. And *uninterrupted supply,* that assures you prompt delivery of proper quality, protects you from late shipments, delivery of inferior qualities, or actual shortage.

As pioneers in the development of dependable, uniform, special naphthas, we have a wide line of products and years of research to put at your command. So whatever type or price of solvent you need, I'm sure it will pay you to talk it over with us.

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 121 W. Wacker Drive, Chicago

Wire or write for information or prices today

Petroleum, thinner, t/w (tax included):—
Camden, N. J. gal. .10 - .12
Chicago gal. .162 - —
Decatur, Ill. gal. .184 - —
Des Moines gal. .182 - —
Evansville, Ind. gal. .137 - .147
Milwaukee gal. .196 - —
Minneapolis-St. Paul gal. .198 - —
Newark gal. .09½- —
New York (200 gals.) gal. .09½- .11
Omaha gal. .131 - .141
Philadelphia gal. .10 - —
Pittsburgh gal 12 - .14
Providence gal. .12½- .13½
Rochester gal. .12 - —
St. Louis gal. .15 - —
Syracuse gal. .14 - —
Trenton gal. .11½- .14
Wilmington, Del. gal. .11¼- .13½
Phenobarbital, bots., 5 lbs. lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs. lb. 4.00 - —
cns., 25 lbs. lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald. lb. .14½- .15½
l.c.l., same basis lb. .15¼- .16¼
under 1,000 lbs. lb. .16¼- .17¼
tanks, works lb. .13½- —
Phenolphthalein, USP, bbls., dms. 2,000-lb. lots. lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
Yellow, fib., dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib., dms. lb. .82 - —
25-lb. dms. lb. .87 - —
50-lb. kgs. lb. .84 - —
Phenyl chloride, dms. lb. .17 - —
Phenylacetaldehyde, bots. lb. 2.25 - 3.50
Dimethylacetate, cns. lb. 14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works. lb. 4.00 - —
commercial, kgs., works lb. 1.50 - —
pure, bbls., works lb. 2.25 - —
Phloroglucinol, CP, tins, works. lb. 20.00 -22.00
tech., tins, works lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines. long ton. 4.35 - —
land pebble, 68% min., bulk, mines. long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk mines. long ton. 3.85 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75%, bulk, mines. long ton. 5.50 - —
Phosphorus, red, cs. lb. .40 - .44
Yellow, cs. lb. .24 - .30
Phosphorous, oxychloride, cyls. lb. .15 - .18
Sesquisulphide, cs. lb. .38 - .42
Trichloride, cyls. lb. .15 - .18
Phthalamide, bbls., tons. lb. .35 - —
single bbls. lb. .40 - —
kgs. lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R. lb. .14½- —
l.c.l., same basis lb. .15½- —
Pichi leaves, bgs. lb. .10 - .12
Pilocarpine hydrochloride, bots., vis. oz. 2.40 - 2.50
Nitrate, bots., vis. oz. 2.90 - 3.09
Pimento, bgs lb. .13½- .14
Pinkroot, bls. lb. .35 - .36
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works. ton. 19.00 - —
l.c.l. ton. 22.00 - —
hardwood, 1-time, dm., c.l., dlvd. Akron. ton. 23.75 -24.00
linseed, dms. lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls. lb. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls. lb. .11 - .12
Podophyllin, dms. lb. 4.75 - 4.95
Poke root, bls. lb. .07½- .08
milk cans gal. .21 - —
Pomegranate bark, bgs. lb. .16 - .17
Root bark, bgs. lb. .35 - .36
Poppy flowers, red, bls. lb. .75 - .85
Seed, Dutch, bgs. lb. .09¼- .09½
Polish, bgs. lb. .09 - .09½
Potash abietate lb. .08 - —
Acetate, tech., bbls., dlvd. lb. .26 - —
kgs., dlvd. lb. .28 - —
USP, bbls., 250 lbs. lb. .28 - —
kgs., 100 lbs. lb. .30 - —
cns., 25 lbs. lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs. lb. .11 - —
demj., 50 lbs. lb. .12 - —
Bicarbonate, USP, cryst., bbls. 300 lbs. .15 - —
kgs., 100 lbs. lb. .17 - —
gran., bbls., 250 lbs. lb. .15 - —
kgs., 100 lbs. lb. .17 - —
Bichromate, spot, c.l., works. lb. .08⅞- —
6 casks or 10 bbls., or over, works. lb. .09 - —
5 casks or 9 bbls., or less, works. lb. .09¼- —
Bromide, USP., gran., bbls., 500 lbs. lb. .31 - —
fib., dms., 100 lbs. lb. .32 - —
Carbonate, calc., dms., c.l., works. lb. .06½- —
l.c.l., same basis lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works. lb. .05½- —
l.c.l., same basis lb. .05¾- —
liquid, dms., c.l., dlvd. lb. .03 - —
l.c.l., dms. lb. .03¼- —
tanks, dlvd. lb. .02871½- —
USP, gran., bbls., 325 lbs. lb. .14 - —
powd., bbls., 325 lbs. lb. .19 - —
kgs., 100 lbs. lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works. lb. .07 - —
l.c.l. lb. .07¼- .07½
Import, dms. lb. .07 - .07½
liquid, 45% basis, dms. lb. .03¼- .03¼
tanks lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works. lb. .06¼- —
l.c.l. lb. .06½- .06¾
import, dms. lb. .06¼- .06¾
Chlorate, cryst., kgs. lb. .09¼- .09¾
gran., kgs. lb. .12 - .13
powd., kgs. lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs. lb. .04 - .06
Chromate, kgs. lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs. lb. .33½- —
kgs., 100 lbs. lb. .34½- —
cns., 50 lbs. lb. .35½- —
cns., 25 lbs. lb. .37½- .38¼
Cyanide, cns., dms. lb. .50 - .55
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots. lb. .90 - —
100-lb. lots. lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns. lb. 1.15 - —
Guiaiacolsulphonate, fib., dms., 100 lbs. 1.65 - —
cns., 25 lbs. lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs. lb. .75 - —
Iodate, bots., 5 lbs. lb. 3.31 - 3.35

Potash, iodate, cns., 25 lbs. lb. 3.20 - —
Iodide, bbls., 250 lbs. lb. 1.13 - —
bots., or cns. lb. 1.22 - 1.48
dms. lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.l.f., ports. ton. 12.25 - —
Prices for potash kainit, manure salts, muriate, sulphate and potash magnesia sulphate for July 1938-May 1939 are subject to discount according to the time orders are placed and the time of delivery. See fertilizer market report for particulars.
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.l.f. ports. unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs. lb. .12 - .13½
Muriate, dom., all strengths, min., 50% K_2O bulk. unit-ton. .53½- —
import, all strength, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports. unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs. lb. .30 - .31
tech., bbls. lb. .25 - .26
Nitrate, crude, bgs., c.l.f. ports. ton. 55.00 Nom.
Perchlorate, kgs., works. lb. .09 - .10½
Permanganate, tech., dms. lb. .18¼- .19
Prussiate, red, bbls. lb. .30½- .34
Yellow, bbls. lb. .15 - .16
Ricinoleate, tech., bbls. lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs. lb. .13 - —
kgs., 100 lbs. lb. .15 - —
powd., bbls., 350 lbs. lb. .14 - —
kgs., 100 lbs. lb. .16 - —

Potash sulphate, tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports. ton. 38.00 - —
l.c.l. lb. .13½- —
Xanthate, dms., c.l. lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. 25.75 - —
Potash-titanium oxalate, kgs. lb. .35 - .40
Prickly ash bark, bls. lb. .11 - .12
Berries, bls. lb. .14 - .15
Prince's pine herb, bls. lb. .21 - .25
Propane, tanks, G.3. gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works. lb. .03 - —
less than 3, works. lb. .03½- —
F and 1, bbls., 3 or over, works. lb. .03½- —
less than 3, works. lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works. lb. .04½- —
3 or over, works. lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y. ton. 32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse. ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse. ton. 40.70 - —
single bgs., ex whse. ton. 45.70 - —
Pumpkin seed, bgs. lb. .10 - .12
Purple lake (see Red).
Putty, com'l, dms. 100 lbs. 3.00 - —
linseed oil, raw, dms. 100 lbs. 4.50 - —
refined, dms. 100 lbs. 5.00 - —
standard, dms. 100 lbs. 3.95 - —

Petroleum—Pyroxylin

Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55-gal. dms. (incl.) frt. alld. E. of Rockies, standard brand. gal. 6.40 - 6.75
basis (30 to 1) 3.6% pyrethrins 55-gal. dms., (incl.) frt. alld. E. of Rockies, standard brand. gal. 9.60 - 9.95
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over. lb. .27 - .28½
fine powd. Japan, bbls., ton lots frt. alld. lb. .28 - .30
Pyridin, denaturing, dms. gal. 1.53 - —
refd., 2°, dms. lb. .45 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports. unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms, tins. lb. 2.15 - 2.40
resublimed, fib. dms., tins. lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l. mines. ton. 9.60 - —
325 mesh, same basis. ton. 12.00 - —
No. 3, 200 mesh, c.l. mines. ton. 7.50 - —
325 mesh, same basis. ton. 10.50 - —
Pyroxylin, scrap, amber, cs., works. lb. .15 - —
black, cs., works. lb. .10 - —
China white, ivory, cs., works. lb. .16 - —
dense white, cs., works. lb. .12 - —
gray, cs., works. lb. .10 - —
mixed, mottles, opaque, cs., works. lb. .04 - —
shell-demi, cs., works. lb. .12 - —
translucent pastels, cs., works. lb. .10 - —
transparent, cs., works. lb. .20 - —
colors, cs., works. lb. .12 - —

Do you play Postoffice with your Naphthas?

THIS MAN is playing postoffice with his naphthas. Like postoffice in the parlor, this game is played with letters . . . frantic letters—sent here there, everywhere, trying to get naphthas when his supply unexpectedly runs low. And, just as in the parlor game, what he finally gets may be just a wet smack after all.

Fewer and fewer paint manufacturers are playing this game because more and more of them are finding out they can get instant service from Shell anytime, anywhere. For Shell maintains a coast-to coast network of more than 1500 Bulk Depots. And over 600 skilled scientists—in 9 strategically located laboratories—are constantly on guard to maintain the stability, uniformity and safety of Shell naphthas. All good reasons for joining the swing to America's Only Complete National Naphtha Service!

Pyroxylin—Soda Phosphate

Pyroxylin shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03½- —
tanks, works.....lb. .02½- —
solid, 63%, bgs, c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08½
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flasks.75.00 -84.50
Quince seed, bgs.....lb. .80 - 1.00
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .99 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 Nom.
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, U.S.P. X, cns.....oz. .54 - —
U.S.P. XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride cns.oz. .75 - —

R

R. salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .06½- .07
Dutch, bgs.....lb. .06½- .07
Japanese, bgs.....lb. .06½- .06¾
Raspberries, dried, bls.....lb. .38 - .40
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Donver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls. ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works, lb. 2.50 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 4.15 - —
dms., 500-lb. lots.....lb. 4.00 - —
100-lb. lots .....lb. 4.10 - —
Crocus martis (see Red, purple oxide.)
Resin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
50%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis a'izarin lake, contracts.lb. 1.25 - —
oven order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contr..lb. .75 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls..lb. 1.26 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N.Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Red, Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- .04⅝
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kegs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., f.o.b. N.Y., lb. .03¾- .0300
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 500.....lb. 1.45 - —
smaller lots.....lb. 1.46 - 1.59
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., flb. dms., 50 lbs. or more..lb. 1.51 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots.....lb. 6.65 -13.00
Rhubarb root, cs.....lb. .32 - .33
powd., bbls., kgs.....lb. .37 - .40
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .17¾- —
smaller lots.....lb. .18¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .16¾- —
smaller lots.....lb. .17¼- —
Rose flowers, pale, bls.....lb. .25 - .28
red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .06
Rosin, gum B, bbls., ex docks. 280 lbs. 4.75 - —
D, bbls.....280 lbs. 5.15 - —
E, bbls.....280 lbs. 5.15 - —
F, bbls.....280 lbs. 5.25 - —
G, bbls.....280 lbs. 5.25 - —
H, bbls.....280 lbs. 5.25 - —
I, bbls.....280 lbs. 5.25 - —
K, bbls.....280 lbs. 5.25 - —
M, bbls.....280 lbs. 5.25 - —
N, bbls.....280 lbs. 6.15 - —
W. G., bbls.....280 lbs. 6.25 - —
W. W., bbls.....280 lbs. 7.35 - —
X, bbls.....280 lbs. 7.35 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
import., lump., bbls.....lb. .12 - —
powd., bbls. .....lb. .08½- .10
Rue, bls. .....lb. .15 - .16

S

Sabadilla seed, powd., bbls....lb. .19 - .20
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.75 - 2.05
Safflower, bls. .....lb. .24 - .25
Saffron, Mexican, bls.....lb. .28 - .29
Spanish, tins .....lb.30.00 -31.00
Safrol, cns.....lb. .62 - .65
dms. .....lb. .50 - .51
Sage, Dalmatian, stemless.....lb. .05¾- .06
garden, bls. .....lb. .06½- .06½
Sago flour, bgs.....lb. .02½- .03
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .96 - —
powd., flb. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs. .....lb 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.15.30 - —
l.c.l., dlvd. N. Y.....ton.16.30 -21.00
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works.....ton.15.00 - —
import, bulk, c.l.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons.....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons... 100 lbs. 6.50 - —
1-9 tons.....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....lb.21.00 -22.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .40 - .41
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .15
select, bls. .....lb. .18 - .20
Savory, bbls.....lb. .07 - .07¼
Saw palmetto berries, bgs.....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlits mixture, bbls., 5,000 lbs., 1 shipm't..lb. .13¾- —
smaller lots.....lb. .14¾- —
kegs, 5,000 lbs., 1 shipm't..lb. .14¾- —
smaller lots.....lb. .14¾- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases .....lb. 1.75 - —
Senega, root, bls.....lb. .50 - .51
Senna leaves, Alexandria, bls.lb. .10 - .14
siftings, bls.....lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .09 - .10
2 bls.....lb. .07 - .08
3, bls.....lb. .05½- .06
powd., bbls., bxs.....lb. .09 - .10
Pods, bls.....lb. .05¾- .06
Serpentaria root, bls.....lb. .75 - .80
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .19 - .20
dlvd. Boston.....lb. .19½- .20½
Chicago .....lb. .19¾- .20¾
Pacific Coast.....lb. .22 - .23
refd., bbls., f.o.b. N.Y.....lb. .25 - —
dlvd. Boston.....lb. .25½- —
Chicago .....lb. .25¾- —
Pacific Coast.....lb. .28 - —
Garnet, bgs.....lb. .13½- .14
Orange, D.C., VSO., Diamond, cases..lb. .20 - .21
Superfine, bgs., f.o.b. Bost. N. Y..lb. .11½- .12
dlvd. Chicago.....lb. .12 - .12½
Pacific Coast.....lb. .15 - .15½
T.N., bgs., f.o.b. Bost. N. Y.lb. .11 - .11¼
dlvd. Chicago.....lb. .11½- .12
Pacific Coast.....lb. .14 - .14½
Shellac varnish, orange, 5-lb. cut, bbls..gal. .85 - .95
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls.....gal. .75 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver bullion.....oz. .42¾- —
Govt. purchase.....oz. .6464- —
Nitrate, vis.....oz. .31½- .33½
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simaruba bark, bls.....lb. .28 - .30
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .20 - .21
Western, bls.....lb. .14 - .17
Skunk cabbage root, bls.....lb. .15 - .17
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .09 - .10
Smalt, black, extra velvet, cans. lb. .05 - .06
Blue, cts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls. .....lb. .13 - .14
Soda, abietate, dms.....lb. .10 - —
Acetate, anhyd., dms., dlvd..lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. ....lb. .04½- .06
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .12 - .12½
Arsenate, dms., dealers, c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09½- .11½
liquid, 50 gls., dms.....gal. .35 - —
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
58%, bbls., c.l., Zone 2. 100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.06
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.25 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts, to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more. lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms, 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N. Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .12½- .15
Bisulphite, powd., bbls., c.l., bbls., wks.....100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 doz., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 dez., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Soda, cacodylate bots., 5 lbs..lb. 5.81 - —
jars 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda, sal)
Caustic, flake, 76%, l, gr., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1.....100 lbs. 3.53 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06¼- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .19½- —
cns., 50 lbs.....lb. .21½- —
25 lbs.....lb. .23½- .24½
kgs., 100 lbs.....lb. .20½- —
USP XI, gran., bbls., 250 lbs. lb. .26 - —
cns., 50 lbs.....lb. .28 - —
25 lbs.....lb. .30 - .31
kgs., 100 lbs.....lb. .27 - —
U.S.P., XI, powd., bbls., 250 lbs..lb. .26½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31½
kgs., 100 lbs.....lb. .27½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. .12¾- .13¾
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9 same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns., 160 lbs..lb. .20½- .22
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs., and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....oz. 5.02 - 5.07
Iodide, jars .....lb. 2.10 - —
bots. .....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.30 - —
flb. dms., 25 lbs.....lb. 3.15 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., works.100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.80 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., Sept.-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l .....lb. .08¼- .11¼
Soda nitrate l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works.....100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. .....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —

Soda, picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .09½- .10
Pyrophosphate, anhy., c.l., bgs., wks., frt. equal'd...100 lbs. 5.90 - —
bbls., c.l., same basis, 100 lbs. 6.10 - —
10,000 lbs. or over, bgs., same basis...100 lbs. 6.25 - —
bbls., same basis.....100 lbs. 6.45 - —
less than 10,000 lbs., bgs., same basis..100 lbs. 6.90 - —
bbls., same basis....100 lbs. 7.10 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .05¼- .05½
import, bbls. .....lb. .04½- .05
Stannate, dms.....lb. .29 - .32
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works, 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 1.75 - 1.85
tech., kgs. .....lb. 1.05 - 1.10
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, soivent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .18 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .18 - .19
Spikenard root, bls.....lb. .13 - .14
Spruce extract, bbls., works...lb. .01¾- —
tanks, works.....lb. .01¾- —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine leaves, bls.....lb. .15 - .16
Squill red, bls.....lb. .14 - .15
white, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.45 - 2.65
dlvd., N. Y.....100 lbs. 2.80 - 3.00
powd., bgs., f.o.b. Chicago, 100 lbs. 2.55 - 2.75
dlvd., N. Y.....100 lbs. 2.90 - 3.10
Potato, dom., bgs.....lb. .04 - .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .06¼- .07¼
Wheat, thick boil, bbls.....lb. .06¼- —
Staveacre seed, bgs. .....lb. .17 - .18
Stearin, oleo, bbls.....lb. .07¾- .08
Stillingia root, bls.....lb. .08 - .09
Stoneroot, bls.....lb. .07½- .08
Storax, cs. .....lb. .48 - .49
Stramonium leaves, bls.....lb. .13 - .14
Seed, bgs.....lb. .09 - .10
Strontium bromide, flb, dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
Chloride, bbls. .....lb. .13½- —
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-4 bbls. and over.....lb. .08¾- —
import, bbls.....lb. .07¾- .08¾
Strophanthus seed, Kombe, bgs.lb. 1.20 - 1.25
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .39 - —
powd., cns., 100-oz. lots...oz. .29 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .57 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .57 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .57 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .68 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .50 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .35 - —
powd., cns., 100-oz. lots, oz. .25 - —
Sucrose octa-acetate, denat., grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk., bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 1.90 - —
flb., dms., 1,000 lbs., 1 delivery, lb. 1.50 - —
100 lbs.....lb. 1.55 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton.18.00 - —
c.l., spot, nearby, long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton.22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
Sulphur, flowers, bgs., c.l., works 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works...100 lbs. 3.23 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bge., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.60 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs., c.l., works, 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works, 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works..lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyle., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., fars.....lb. 2.90 - —
Sumac berries, bxs.....lb. .06 - .07
Sumac, grd., Sicilian, bls....ton.65.00 - —
leaf, bales.....ton.68.00 - —
Extract, 42°, bbls.....lb. .05¼- .06½
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .06½- .08½
Sunflower seed, Calif., large, bgs., lb. .07 - .06½
medium, bgs. .....lb. .04½- .05
poultry, bgs.....lb. .03½- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills.. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
99.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-mag. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, I, bgs., ex dock, arrival. ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .07⅝- .07⅝
extra, loose, works.....lb. .05¼- —
special, loose, works.....lb. .05½- —
Vegetable, ship., cs.....lb. .07½- .08
sulphonated 35% (24% fat), dms., c.l..lb. .05 - .05½
l.c.l. .....lb. .06 - .06½
50% (43% fat) dms., c.l..lb. .06½- .07
l.c.l. .....lb. .07½- .08
50% (48% fat), dms., c.l..lb. .07 - .07½
l.c.l. .....lb. .08 - .09
Tamarind, W. I., bbls.....lb. .05½- .06
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 2.70 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk, unit-ton. 2.70 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.50 & .10
high-grade feeding, bulk, Chicago..unit-ton. 2.65 & .10
Import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports ship. unit-ton.3.10 & .10 Nom.
Tansy leaves, bls.....lb. .18 - .19
Tapioca, flour, bgs.....lb. .02 - .04
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .25 - —
25%, dms., c.l., works.....gal. .25½- —
l.c.l., same basis.....gal. .28½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd., ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .22 - .22½
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - 33½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms. .....lb. .09½- —
Tetralin, dms. .....lb. .12 - —
Thallium sulphate, 90% pure, dms, works..lb. 7.25 - 7.50
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .14 - .15
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin crystals, bbls., kgs.....lb. .34½- .35
Metal, Straits .....lb. 42.90- —
Oxide, bbls.....lb. .48 - .50
Tetrachloride, anhyd., bbls...lb. .21¾- —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .15 - —
Pac. cst., f.o.b. terminals, lb. .15 - —
l.c.l., 5 tons, E., dlvd....lb. .15¼- —
Pac. cst., ex whse....lb. .15¼- —
1,000-9,999 lbs., E. dlvd.lb. .15½- —
Pac. cst., ex whse....lb. .15½- —
50-999 lbs., E. dlvd.....lb. .15¾- —
Pac. cst., ex whse....lb. .15¾- —
under 50 lbs., E. dlvd...lb. .18 - —
Pac. cst., ex whse....lb. .18 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .15¼- —
l.c.l., 5 tons, E. dlvd.....lb. .15½- —
1,000-9,999 lbs., E. dlvd.lb. .15¾- —
50-999 lbs., E. dlvd b. .16 - —
phthalate-treated, bgs., c.l., (20 tons), E. frt. alld.lb. .23 - —
Pac. cst., f.o.b. terminal.lb. .23 - —
l.c.l., 5 tons, E. dlvd...lb. .23¼- —
Pac. cst., ex whse...lb. .23¼- —
1,000-9,999 lbs., E. dlvd.lb. .23½- —
Pac. cst., ex whse....lb. .23½- —
50-999 lbs., E. dlvd.....lb. .23¾- —
Pac. cst., ex whse..lb. .23¾- —
under 50 lbs.....lb. .26 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .23¼- —
l.c.l., 5 tons, E. dlvd...lb. .23½- —
1,000-9,999 lbs. E. dlvd.lb. .23¾- —
50-999 lbs., E. dlvd....lb. .24 - —
pigment, barium, calcium, or magnesium base, c.l., E. frt. alld.....lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
l.c.l., dlvd.....lb. .05¾- —
Pac. cst., ex whse..lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E., frt. alld...lb. .05¾- —
l.c.l., E., dlvd.....lb. .06¼- —
Tolidin base, distilled, bgs....lb. .86 - —
Tolu, balsam, cns.....lb. .44 - .45
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½- —
tanks, E. of Omaha, frt. alld. gal. .23½- —
Tonga vine, NF, bls.....lb. .26 - .27
root, bls.....lb. .30 - .31
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works .....lb. .46 - .48
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A...lb. .09 - —
l.c.l., dms.....lb. .095 - —
Zone B, c.l.....lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., l. ams., c.l.....lb. .24½- —
500 lbs. dms.....lb. .25 - —
less than 500 lbs., dms..lb. .28 - .39
2, dms., c.l.....lb. .23½- —
500 lbs., dms.....lb. .24 - —
less than 500 lbs.....lb. .27 - .38
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .34 - .56
dms., dlvd.....lb. .30 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.80 - 3.00
Oxide, CP, kgs.....lb. 2.65 - 2.75
tech., kgs. .....lb. 1.85 - 1.95
Turmeric root, Alleppey, bgs..lb. .05½- .05⅞
Madras, bgs.....lb. .06¾ Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .27 - —
l.c.l., 10, ex dock.....gal. .29 - —
5, ex dock.....gal. .31 - —
wood, dest. dist., dms., dlvd. E. cities, ports..gal. .22 - .24
tanks, dlvd. E. cities....gal. .20 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.93.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. No prices.
Uva ursi leaves, bls.....lb. .08½- .09

V

Valerian root, bls.....lb. .09 - .09¼
Valonia, beards, bgs., shipt..ton.45.00 - —
Cups, bgs., shipt.....ton.30.00 - —
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 3.90 - 4.50
Mexican, tins.....lb. 4.50 - 5.00
cut, tins.....lb. 3.75 - 4.00
South American, tins.....lb. 3.75 - 3.80

Soda Picramate—Wormwood

Vanillin, ex eugenol, 25-lb. tins, lb. 2.10 - —
5-lb. tins.....lb. 2.20 - —
Vanillin, ex guaiacol, 10c. per lb. less
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .23
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .45 - .47
Tree bark, bls.....lb. .22 - .23
Wattle bark, bgs., shipt....ton.39.50 -40.50
Extract, bbls. .....lb. .04¾- —
Wax, bayberry, import, bgs...lb. .16¾- .17
Bees, white, bleach, slabs, cs., 500 lbs. .37 - .39
yellow, crude, Africa, bgs., lots of 10..lb. .21 - .21½
1 bg.....lb. .22 - .22½
Brazil, Chile, bgs., 5-10 tons, lb. .22 - .22½
1 ton.....lb. .22½- .23
500 lbs. .....lb. .24 - .24½
100 lbs.....lb. .23 - .23½
refd., slabs, cs., lbs.....lb. .32½- .33
Candelilla, bgs., 1 ton.....lb. .14½- .15
jobbing lots.....lb. .15 - .15½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .33½- .34½
5 bgs.....lb. .34 - .35
1 bg.....lb. .34½- .35½
N. C. 2, bgs.....lb. .37 - .37½
N. C. 3, bgs., 1 ton.....lb. .33½- .34½
5 bgs.....lb. .34 - .35
1 bg.....lb. .34½- .35½
refined, bgs.....lb. .38 - .38½
yellow, No. 1, bgs., 1 ton..lb. .42½- .43
5 bgs.....lb. .43 - .43½
1 bg.....lb. .43½- .44
No. 2, bgs.....lb. .41½- .42
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots .....lb. .09½- —
150°-1.0° m.p., bgs., 1 ton..lb. .09½- —
jobbing lots .....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs. .....lb. .10½- .11
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11⅛
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal. p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .58 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs. .....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.59 - —
dms., 50 lbs., or more...lb. 1.46 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.13.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60- 18.50
Paris white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06 - .07
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs.....lb. .10 - .11
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .08 - .09

—Continued on page 56

Oil, Paint and Drug Reporter

Founded October 18, 1871, by
William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc., Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1938, by
Oil, Paint and Drug Publishing Company, Inc.

Vol. 134 September 12, 1938 Number 11

Associations Are Necessary

In their expressed purpose to subject trade associations to minute scrutiny the "trust testers" now engaged in the preliminary steps of an analysis of economic practices doubtless will find some illegalities. It is beyond question that they can find good predominant in the functioning of trade associations as a whole. From what can be learned of the attitude of the investigators toward the purpose of their job, it is reasonable to assume that good and bad will be appropriately appraised. It is to be hoped that the program which is expected to come out of the investigation will be fully impartial and suggest only such corrective measures as will not work more destruction than reform.

The trade association is a necessary institution in any economic scheme that looks to self-regulation, rather than governmental control, of business. The development of the true value of the trade association has been handicapped by the influence on its functioning of the human trait of self-preservation. Because, as must be admitted, certain associations have made unwisely selfish use of data essential to the sound progress of business, these organizations in many instances have been denied the right to provide statistical information, and those whom they represent have been obliged to rely on governmental agencies for data.

The furnishing of statistical data on business is not a proper governmental function. Governmental service in this direction is slow, and it is inadequate. Consequently it is often inaccurate—sometimes purposely so because of the attitude of those from whom the data must be obtained. Even in the biennial census of manufactures, where the furnishing of information can be legally compelled, the data are not satisfactory.

It cannot be reasonably argued that those who get statistical data can more readily make improper use of them when they are provided by an association than they can when the source is governmental. The evil which calls for correction lies, not in the agency by which the data are collected and disseminated, but in the manner of their dissemination and their use. The trade association should be compelled to function legally; it should also be enabled to function better.

Identical Prices Not an Evil

Identical prices among competitive sellers of a given article are not a symptom of monopolistic oppression. On the contrary, they are the only safeguard against the monopoly that would result from the destruction of competition by price wars. Governmental agencies which regard the existence of identical prices in a group as evidence of price agreements or price-fixing, give no consideration to the demands of business relationships on which existence of competition rests.

This fallacious view of the existence of identical prices is inseparable from any endeavor to interpret and apply the existing antitrust laws. The fault, while it exists in the functioning of the administrative agencies, is inherent in the statutes, which attempt the impossibility of making competition at once free from all restraint and fair to all concerned. Those two objectives are absolutely incompatible. It may be too much to expect that the administrative agencies, recognizing this reciprocally destructive incompatibility, regard identical prices in themselves as circumstantial evidence. They are not even that; they are inevitable concomitants of the desire to maintain competition of sellers, in number if not in price. Which is the better form from the broad economic view?

If there are, say, three producers of an article of fairly wide consumption, it cannot be assumed that every one of the three has the same competitive potentiality. One may be located closer to the larger market. Another may have the advantage of being closer to the supply of raw material. The third may be able to operate more cheaply. These advantages will not all be the same in terms of cost of the product. They may not be, and very often they are not, so evenly distributed. In many instances the producer who has one, or maybe two, of these advantages, has yet another—he produces a variety of articles and can recoup on others what he may lose on one in which he desires to become destructively competitive.

There is no means other than by the maintenance of identical prices whereby the continued competitive existence of all the producers can be assured. It may be an economic fault to be at a disadvantage in the respects mentioned above. But, does such a fault condemn a manufacturer to extinction? If, in theory, the answer is "Yes," what then becomes of competition?

Extinction of the less-favored might be in purpose with the antitrust laws in one of their aspects; it might be of benefit to consumers—temporarily. But, as the laws now stand, assurance of beneficence on the part of an unopposed seller is practically impossible. If the laws were amended so as to compel trusts to be beneficent, that would be something else. But, the greater assurance would still lie in there being more than one seller in the trust.

—O-P-D—

Dangerous Drugs

In banning sulphanilamide as a dangerous drug under the new Federal law, the Food and Drug Administration sets up the opinion of unnamed experts as the factual evidence required by the applicable clause of the statute. The law does not provide for such a conclusive administrative finding, nor does it recognize, as was attempted in several forms of the bill, the weight of expert opinion.

The ban on sulphanilamide is, it is true, somewhat indefinitely qualified. It applies to the drug when "for indiscriminate use by the general public in a manner which constitutes a serious danger to health!" This leaves a large question of fact—of two facts, that of "indiscriminate use," and that of "serious danger to health"—to be answered before the applicability of the ban can be determined.

It must be assumed that interstate commerce in preparations of sulphanilamide is not prohibited by the administrative designation of such preparations as dangerous drugs. It must be assumed that such preparations, properly labeled as to dosage and with adequate warning as elsewhere required in the law, may still be shipped in interstate commerce.

A different assumption would follow the reported attitude of the administrative officials that dinitrophenol cannot legally be marketed as a drug, even though limited to prescribing or administration by physicians. There are physicians who believe that they can use dinitrophenol safely as a drug. Although the weight of expert opinion may be against them, the law does not deny them the right to practice medicine according to their lights.

—O-P-D—

Instead of Taxes

The Secretary of the Treasury says that his department will defer the announcement of its tax program until after the new budget has been prepared. Other members of the cabinet are making their suggestions on tax schemes unreservedly. A goodly portion of the emphasis in this direction is being laid on proposals of revived and perhaps extended processing taxes. The reason for this being the necessity of financing the administration's program of improving the condition of the farmer.

Behind the clamor for processing taxes, which does not inform the consuming public that it is in for some more discriminatory treatment in order that the farmer may be given a helping (?) hand, is the statistical indication that an oversupply of wheat and cotton looms. This is something that business can take care of, even though its dealing with the matter may not be strictly businesslike. It would be cheaper in the long run, largely because of the resulting good-will on the part of the farmer, who is not to be disregarded as a customer, to do a little buying of bales and bags than to pay taxes on flour and ginghams.

Much is said about the diminution of the export trade in wheat. Exports of the grain dropped about 25,000,000 bushels from 1935 to 1937. How much would it actually cost business—owners, managers, and wage-earners—to buy that quantity, the cost to be calculated net against possible alternative taxes?

What to do with the wheat? Well, a sackful of wheat makes a good exercising weight or punching bag. Boiled wheat, served with sugar and cream, or maple syrup, is not half bad eating. The grains could be scattered to feed the birds in backyards or on lawns, in parks or at wood's-edges along motor roads. Everybody could find some use for cotton—from padding the fireside chair to making Christmas whiskers—or the bale might be set up beside the doorstep, proudly placarded:—"I seen my duty and I done it!" And the best thing is that governmental "helpers" of the farmer could not say:—"I told you so. You must go along with us; business is not your friend."

• MANUFACTURING CHEMISTS SINCE 1849 •

PFIZER QUALITY

CITRIC ACID PFIZER

CHAS. PFIZER & CO., INC.

81 MAIDEN LANE
NEW YORK

•

444 W. GRAND AVE.
CHICAGO

TURNER
PHOSPHORIC ACID
(BY-PRODUCT MATERIAL)
Available in Tank Cars and Drums
JOSEPH TURNER & COMPANY
RIDGEFIELD, N. J.
83 EXCHANGE PL. PROVIDENCE
630 FIFTH AVE., NEW YORK
40TH ST. & CALUMET CHICAGO

SULPHURIC ACID
60° 66° 98%
Tank Cars—Carboys
Prompt Shipments
ROYSTER CHEMICAL WORKS
TOLEDO, OHIO
Division of
F. S ROYSTER GUANO CO.
NORFOLK, VA.

...a dependable source of supply
SULPHUR
Stauffer
BORIC ACID : CARBON TETRACHLORIDE : BORAX
TITANIUM TETRACHLORIDE : CAUSTIC SODA : SULPHUR
CHLORIDE : SULPHUR : SILICON TETRACHLORIDE
CREAM OF TARTAR : SULPHURIC ACID : CARBON
BISULPHIDE : TARTARIC ACID : WHITING
STAUFFER CHEMICAL COMPANY
2710 Grayber Bldg. New York, N.Y.
636 California St. San Francisco, Cal.
Carbide and Carbon Bldg. Chicago, Ill.
Rives-Strong Bldg. Los Angeles, Cal.
Freeport Texas
Stauffer

Exclusive Distributors for DUVAL TEXAS SULPHUR COMPANY
ASHCRAFT-WILKINSON CO.
ATLANTA, GEORGIA
Charleston, S. C. Jacksonville, Fla. Wilmington, N. C. Norfolk, Va Jackson, Miss.
SULPHUR
99½% Pure
Shipments from Boling Dome and
A new production from ORCHARD DOME
Heavy Chemicals and Fertilizer Materials

BLUE VITRIOL
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE
30 CHURCH ST.

Heavy Chemicals

Steady Demand Continues to Prevail for Most Heavy Chemicals —Carbon Tetrachloride Reduced—Blue Vitriol Active—Alkalies Improve Moderately—Cyanides Mark Time

A steady demand prevailed in the market for most heavy chemicals last week. Despite the holiday intervention, orders made their appearance quite frequently for moderate quantities. A fair accumulation of replacement buying was reported as the result of the holiday, and apprehension over a possible local trucking strike helped to stimulate business. There was nothing in the industrial news to indicate that the gradual improvement in business would not continue, although some nervousness exists over the possibility of a war in Europe. Changes in the market included lower quotations for carbon tetrachloride, anhydrous tetrachloride of tin and Straits tin.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Carbon tetrachloride, ¼c. per lb.
Tin, Straits, ¼c. per lb.
tetrachloride, anhy., ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
148.5	**148.8**	**149.2**	**154.4**

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	**99.6**	**99.6**	**99.8**

Market news that may have developed after this report was sent to press will be found on page 4.

Carbon tetrachloride provided the only price feature of importance, the schedule was revised fractionally downward. The States of Iowa, Kentucky, Minnesota, Missouri, North Carolina and Tennessee were included in the freight allowed area East of the Mississippi river and North of the Ohio river. Easiness in the market from time to time had been reported, and the revision was expected to have a stabilizing influence. Demand for blue vitriol was maintained at comparatively good levels, with the call for industrial purposes broadening to take up the partial lag in horticultural business. Arsenic was slightly more active. Alums continued in steady demand. Quieter conditions prevailed for calcium chloride. Chlorine was fairly active. Copperas remained firm. Magnesite showed signs of improvement for the building trade. Dealings in potash carbonate were fairly good. Potash chlorate noted some inquiry from the match industry. A better inquiry was noted in saltpeter. Alkalies continued to show a moderate improvement. Demand for cyanides was marking time. Refined sulphur was moving a little better. Tin salts were irregular. Sulphuric acid remained quiet. Acetic acid demand gave indications of an improvement in some consuming lines. Calcium arsenate shipments to some southern cotton states continued at fair levels because of late boll weevil activity.

Union locals of the motor trucking industry met last Friday regarding a strike, and the union plans to meet with company representatives in an effort to reach a decision. This meeting probably will take place early this week. Whether or not there will be a strike in this area is dependent on the outcome of the meeting.

Aluminum.—Business in the market was along moderate lines. Some improvement was reported in recent weeks, but with some large consumers, such as the railroads and automotive industries marking time, the demand was still far below normal levels. The outlook for the Fall was particularly promising, however, with indications the automotive trade will assume more normal production levels. Prices remain firm. Exports from the United States of aluminum products except finished manufactures registered a sharp gain in July. The July trade was valued at $262,858, against $192,856 in June and $629,833 in July, 1937. Imports increased to $497,094 from the June value of $35,667, but was far below the $828,443 total reported for July, 1937, according to the Bureau of Foreign and Domestic Commerce.

Alums. — The market for various alums displayed no change pricewise last week. Withdrawals of alumina sulphate commercial and iron-free, ammonia, potash, ammonia-chrome and soda alum were in moderate demand, the call coming chiefly for water treating purposes, paper, textile and tanning interests. July exports of alumina sulphate totaled 4,057,394 pounds, valued at $41,949, of which 3,646,689 pounds went to Canada; 46,545 pounds to Mexico; 7,500 pounds to Cuba; 119,200 pounds to the Netherland West Indies; 117,060 pounds to Colombia and 120,000 pounds to the Philippine Islands. Exports of other aluminum compounds during July amounted to 127,374 pounds, valued at $6,716, of which 108,582 pounds went to Canada.

Ammonia, Anhydrous.—While cooler weather in some sections of the country had a retarding effect on consumption of this material for refrigerating purposes, demand as a whole was maintained at fair levels. Quotations ruled unchanged.

Ammonia, Aqua.—A moderate inquiry prevailed in the market from various large consuming channels last week. Quotations were steady to firm at the levels announced in the previous week. Prices in Maryland and Delaware are as follows:—Drums, 110-gallons, car lots, $2.25 per 100 pounds; less car lots, $2.50 per 100 pounds. Carboys, $5 per 100 pounds. Drum prices are on delivered basis, and carboys are f.o.b. shipping point.

Antimony.—Business in the market for domestic antimony was slightly improved, the nature of the call was concerned principally with smaller quantities. Quotations were held at previous levels. The oxide was quiet and unchanged.

Arsenic.—Sellers could point to some improvement in the demand for white arsenic last week, with a slightly better inquiry uncovered from the glass and ceramic industry. The call for the red material was only moderate. There was nothing new to report in the price situation.

Barium Salts.—The market for various barium derivatives continued steady to firm, although business was confined to modest quantities in most instances. July imports of barium compounds totaled 79,625 pounds, valued at $2,492, all of which came from Germany.

Blue Vitriol. — Demand was maintained at comparatively good levels last week. While some decline in horticultural demand has taken place, shipments to the South and West Coast were reported holding up well. The industrial demand was reported broadening in many directions. The call came in fair volume for water purification, petroleum, and coppered wire novelties. Inventories were maintained at normal levels, and business was ahead of the same period a year ago. Demand from abroad has shown stability, especially in regard to South America and Central American countries. Price situation continued firm. July exports aggregated 693,561 pounds, valued at $28,924, of which 114,164 pounds went to Canada; 125,200 pounds to Honduras; 260,472 pounds to Mexico; 130,265 pounds to Newfoundland and Labrador; 11,250 pounds to Bolivia, and 28,710 pounds to Venezuela.

Calcium Carbide. — Demand from chemical processors, metallurgical and illuminating sources was reported at moderate levels, with consumers making only necessary commitments. Prices ruled unchanged. July exports totaled 85,345 pounds, valued at $3,715, of which 16,000 pounds went to Canada; 3,165 pounds to Honduras; 6,670 pounds to Panama; 10,076 pounds to Chile; 9,186 pounds to Colombia, and 36,000 pounds to Venezuela.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Calcium Chloride. — Quieter conditions prevailed in this direction last week. The active season for dust control activities has shown a normal seasonal decline, while the demand for other purposes was only fair. Renewed buying interest for ice control work was anticipated a little later in the year. Quotations ruled firm. July exports aggregated 5,429,104 pounds, valued at $53,153, of which 5,141,500 pounds went to Canada; 21,400 pounds to Panama; 14,400 pounds to Bermuda; 94,250 pounds to Cuba; 13,200 pounds to Brazil; 32,205 pounds to Chile; 57,880 pounds to Colombia, and 40,000 pounds to the Union of South Africa. July imports totaled 165,171 pounds, valued at $901, all of which came from Germany.

Carbon Tetrachloride.—Prices have been reduced ¼c. per pound. The schedule of prices for the territory East of the Mississippi river and North of the Ohio river, and including Iowa, Kentucky, Minnesota, Missouri, North Carolina, Tennessee and Virginia, follows:—Tanks, 4¾c. per pound; car lot, 55 and 110-gallon drums, 5c. per pound; less car lot, 5½c. per pound; 5 and 10-gallon drums, car lot, 6¾c. to 7¼c. per pound; less car lot, 7¾c. to 8¼c. per pound. For Southeastern and Central States, prices are listed ½c. per pound higher than the above schedule, and are 1c. per pound higher than the base schedule in the Rocky Mountain area and in the Southwestern territory. All prices above are on a freight allowed basis. Pacific Coast States are quoted 1¼c. per pound higher than the base schedule, on an f.o.b. Coast shipping points basis. Fire extinguisher liquid carries the usual 1½c. per pound higher differential.

Chlorine.—The market continued to display a fair amount of interest from major consuming sources last week. Prospects of betterment from the paper industry continue bright, while the call for textile and sanitation purposes was at a moderate pace. Prices ruled firm.

Cobalt Oxide.—There was little of importance to report in this market, with the demand from the paint and ceramic trades confined to nearby needs. Prices ruled unchanged. July imports amounted to 23,000 pounds, valued at $32,554, of which 9,450 pounds came from France and 13,550 pounds from Germany.

Copper.—Dealings in the market for domestic copper were fair last week, although holiday influences affected business to some extent. A steady to firm price tone continued in evidence. Abroad copper experienced a satisfactory demand, with the sales equivalent to the daily intake. Quotations ranged around 10.15c. to 10.22c. per pound, c.i.f. European base ports.

Copper Salts.—A steady to firm tone was witnessed in the market for various copper derivatives. Fair shipments of black and red oxide of copper was reported, while the call for copper acetate, carbonate, chloride, nitrate and cyanide was for small quantities.

Copperas.—A firm price tone remained in evidence. Supplies of this material continue well below a year ago, and the demand from various consuming channels was sufficient to absorb most of the stocks. Steel operations last week were scheduled at 39.9 percent of capacity, compared with 44.0 percent last week and 71.6 percent a year ago.

Fluorspar.—Business was along moderate lines for the most part, but some measure of improvement was noticeable in view of better conditions in the metallurgical industry. Pricewise the market noted no change.

Glauber's Salt.—Improvement in some major consuming industries continued to be reflected in fair-sized withdrawals of this material. There was nothing new to report as far as prices were concerned and schedules remained the same.

Magnesite.—Business in the market has shown some signs of picking up. The improvement could be attributed principally to the better conditions prevailing recently in the building industry. Construction of various exhibits for the World's Fair has brought a fair share of business. Pricewise the market continued steady to firm. Exports of refractory products from the United States in July increased considerably, by value, the leading product in the July trade was magnesite brick and shapes of which $67,077 worth were exported.

Phosphorus.—The call for the red and yellow material was reported at a fair pace. Chemical processors and the match industry provided a good interest at times. The repeal of the federal excise tax on matches has shifted much of the normal production from the first half to the second half of the year. Prices were maintained at former levels. July imports amounted to 1,000 pounds, valued at $151, all of which came from Japan.

Potash Carbonate.—The market maintained a steady to firm price tone. Dealings from major consuming sources was fairly good last week. The call came chiefly from the soap, glass and textile trade. July imports aggregated 64,354 pounds, valued at $3,280, of which 28,858 pounds came from Germany; 33,115 pounds from the Netherlands; 661 pounds from Sweden; 544 pounds from China; 1,120 pounds from Hongkong and 56 pounds from Japan.

Potash Caustic.—Withdrawals were reported holding steady, although consumers were content to make commitments for nearby requirements. Prices were maintained at former levels. July imports amounted to 85,112 pounds, valued at $6,841, of which 880 pounds came from Czechoslovakia; 70,123 pounds from Germany and 14,109 pounds from Sweden.

Potash Chlorate.—The call for explosive and match purposes was moderate, some improvement was witnessed recently from the match industry as the result of the clarification of the excise tax situation. Quotations were in conformity with the previous period. July imports totaled 1,274,400 pounds, valued at $66,772, of which 746,257 pounds came from Germany; 33,929 pounds from Sweden; 207,616 pounds from Switzerland and 286,598 pounds from Japan.

Saltpeter.—The call was slightly more active at times last week. Some larger consumers were reported to be making better inquiries. Price schedules were unchanged, and a steady to firm tone prevailed. July imports were 187,496 pounds, valued at $8,899, all of which came from Germany.

Soda Ash.—A moderate improvement still prevails in the market. A generally better demand was witnessed from many consuming channels. Inventories of consumers were at low levels, and any improvement in business was soon reflected in additional orders. Price schedules were unaltered. The setting up of new factories for the manufacture of sodium compounds, especially soda ash and caustic soda, in overseas countries has started to affect the export business of European producers, who previously covered nearly the whole market.

Soda Bisulphite.—Sellers could point to a moderate interest in this direction. Tanning interests and the textile trade provided a good share of the business. Quotations were in conformity with the previous period.

Soda, Caustic.—Volume of business continued to maintain the recent gains. Improvement in some major consuming industries resulted in larger withdrawals to take care of increased production requirements. Price schedules continued unchanged. The six principal soap manufacturers in Nicaragua offer a small but growing market for caustic soda. Total imports of caustic alkali approximates 350 metric tons annually, according to the American consulate at Managua.

Soda Cyanide.—Consumers continued to mark time before coming in the market for large quantities. Despite the cautious nature of the dealings, sellers can point to some betterment. The outlook for heavier withdrawals continued bright in view of higher automotive production. Quotations ruled unchanged.

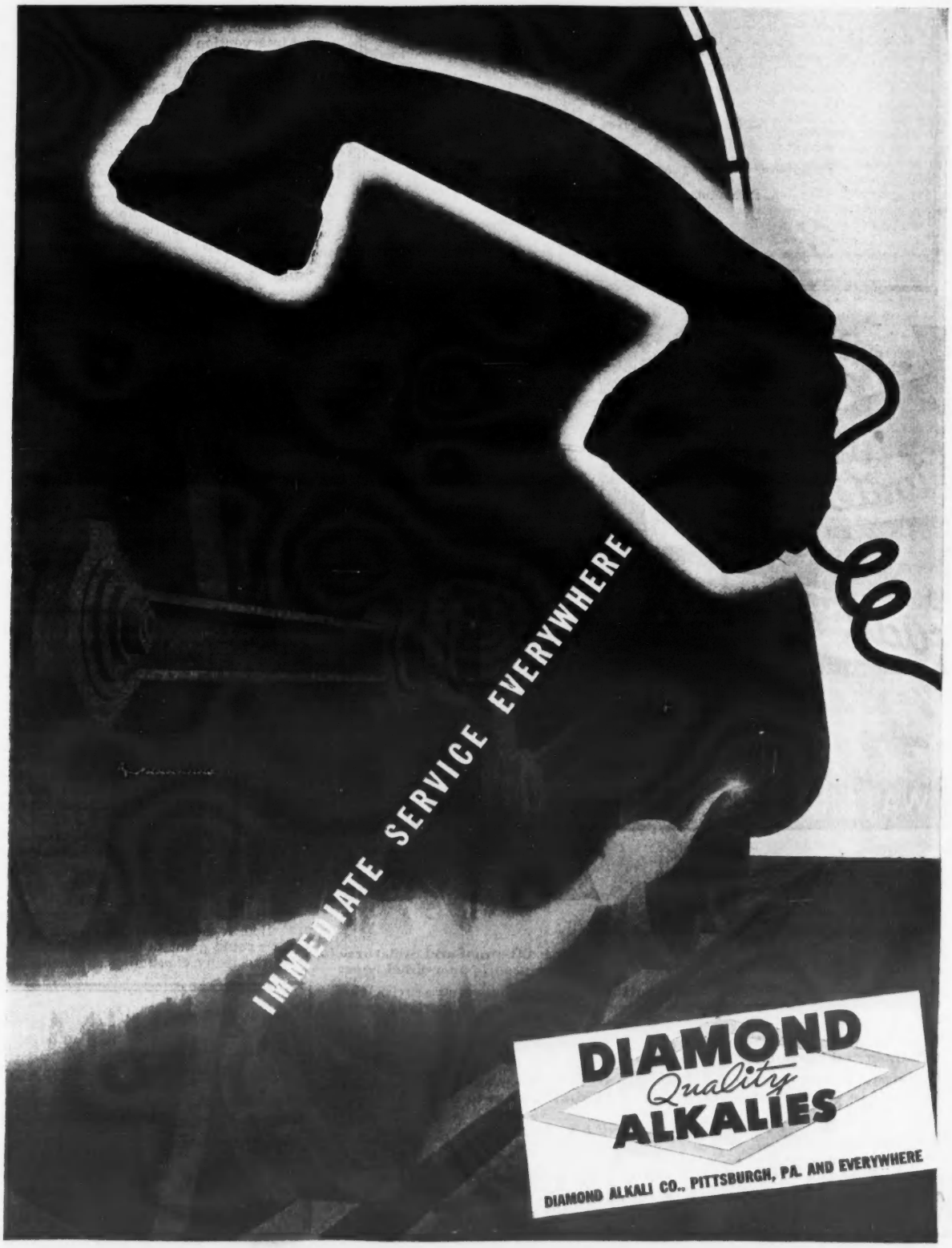
Soda Metasilicate. — The call from laundries, factories and bottling plants was described as steady, with consumers placing commitments on a moderate scale. There was nothing new to report in the price schedule, and a steady to firm tone remained in evidence.

Soda Phosphate.—A steady tone prevailed in the market again last week. Withdrawals were described as satisfactory, with the demand quite diversified. Sellers were adhering to quotations previously in force.

Soda Silicate.—The market continued to enjoy fair buying support. The paper products industry was reported making fair inquiries, while the call for adhesives and the textile trade made its appearance in moderate volume. Quotations were without alteration.

Soda Silicofluoride.—There was comparatively little new to report in the market last week. The glass, ceramic

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7



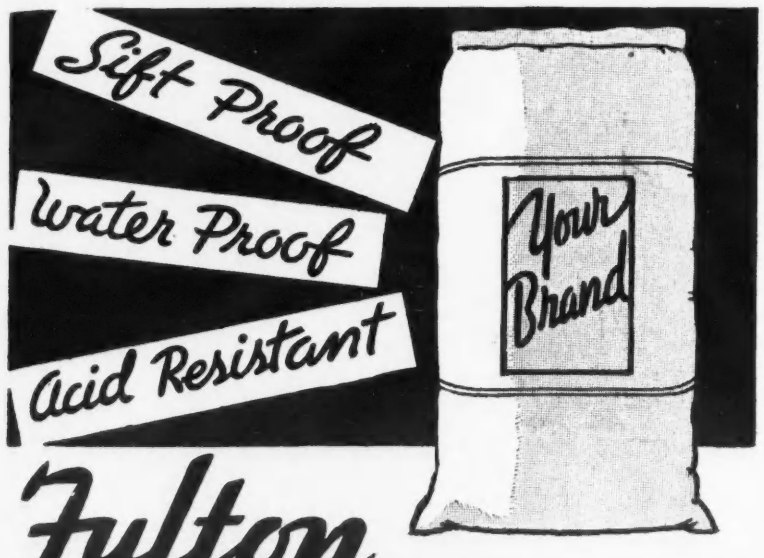
We are especially interested in assisting to develop new uses for the chemicals we manufacture or others that could properly come within our scope. Our laboratory, plant and organization are at the service of users or prospective users. All such negotiations and development work are held in the strictest confidence.

Oldbury
Electro-Chemical
Company

Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th Street, New York City

Phosphorus and phosphorus products. Sodium chlorate.
Potassium perchlorate. Oxalic acid



Let us quote on your requirements—any quantity from 1,000 to carload lots.

Chemicals, pigments or any product that requires sift-proof and moisture-proof containers, should be packed in Fulton water-proof, paper-lined bags.

The special processing of burlap and cotton goods with paper, cementing the two with various waterproof adhesives such as asphalt, glue and latex, provides a bag that is strong, sift-proof and moisture-proof.

These bags are *much cheaper* than metal drums or barrels — they are easier to handle and to store.

Fulton water-proof, paper-lined bags are available for prompt delivery from St. Louis to the West and Middle West, and from Atlanta to the East.

Write for prices and full information

FULTON BAG & COTTON MILLS

Atlanta Minneapolis St. Louis Kansas City, Kansas
Dallas New York New Orleans

and laundry trade provided the bulk of the business, but moderate quantities made up the call. Quotations were unchanged.

Soda Stannate. — Quotations were maintained at previous levels last week. However, the easiness in Straits metal may influence the market to react slightly. Business continued only fair.

Sulphur, Refined.—The market maintained a steady to firm price tone. Some consumers were reported making their appearance more frequently. Improvement in some basic consuming industries such as match, paper, rubber and textile were a direct benefit to the market. July imports amounted to 168,761 pounds, valued at $1,613, of which 168,030 pounds came from Canada and 576 pounds from Japan.

Tin Salts.—Quotation for anhydrous tetrachloride of tin was fractionally lower at 21¾c. per pound. Tin crystals were unchanged at 34½c. to 35c. per pound. Straits metal was quoted at 42.90c. per pound. The world supply of tin at end of August totaled 30,671 tons, including carryover, compared with 29,447 tons at the end of July. The visible supply of tin on Sept. 1 was 20,108 tons, against 19,645 on August 1.

Uranium Oxide.—Commitments continued to be concerned with small quantities, and consumers were ordering for urgent requirements only. Prices were without change. July imports totaled 24,184 pounds, valued at $29,189, of which 19,200 pounds came from Belgium and 4,984 pounds from Canada.

Acids

Business in the market for mineral acids was on a moderate scale last week. The intervention of the Labor Day holiday naturally tended to slow business activity somewhat. Consumers were cautious in placing large size commitments at this time, but felt inclined to await more definite information regarding the Fall trend of business activity. Pricewise the market displayed no change in either direction. Acetic acid continued to give indications of improvement with some consuming interests making their appearance with more consistency. Sulphuric acid remained at quiet levels. Formic, muriatic and lactic acid were routine affairs. Nitric displayed a fair interest. Oxalic continued steady to firm. Small quantities made up the call for chromic acid.

Acetic.—Business in the market continued at fair levels last week. Some important consuming interests were making their appearance with more consistency. Price schedules were unaltered. July exports amounted to 18,832 pounds, valued at $2,291, of which 4,022 pounds went to the United Kingdom, 1,495 pounds to Canada, 4,600 pounds to Panama, 3,265 pounds to Mexico, 3,020 pounds to Cuba, and 665 pounds to Chile.

Chromic. — Quiet conditions characterized the dealings in the market last week. There was little disposition on the part of consumers to place commitments for sizable quantities. Prices were without alteration.

Formic.—Moderate withdrawals were reported from most quarters last week. The chief interest was provided by the food, hide and textile trade. No change was reported in the quotations.

Lactic. — The foodstuff, textile and leather interests were making commitments on a cautious scale. Prices were in conformity with the preceding week.

Muriatic.—There was relatively little of importance to report in the market. Routine interest was manifest by usual consuming sources. Pricewise the market noted no change.

Nitric.—A fair interest was uncovered in the market from some sections. However, the disposition to order for nearby needs only still persisted. Quotations ruled unchanged.

Oxalic.—A steady to firm price tone prevailed in the market again last week. Sellers could point to moderate inquiry from the many consuming channels.

Sulphuric. — Consumers' interest in the market for sulphuric acid remained at quiet levels. Leading consumers were obviously content to mark time for the present, and were making withdrawals on a modified scale. Despite the cautious nature of the dealings, sellers were optimistic regarding the future trend of business during the final quarter of the year. Trade indexes point to a continued improvement, and any betterment in general business was expected to be reflected in the market immediately. Price schedules were maintained at previous levels.

Baltimore, Sept. 7.—With an extra holiday included in the last week, the quiet in the market for sulphuric acid was even more pronounced than before, improbable as this seemed. The suspension of work over Labor Day tended naturally to lessen the demand for acid, and the effect of the inactivity carried over several other days, with the result that there was hardly a ripple on the smooth surface of the industry. It seemed as if every user of acid was marking time, but the producers saw no good reason for changing tactics, and held the quotations at the old level of $12 per ton for 60 degree and $15 per ton for 66 degree acid. Oleum also remained dull, but steady, at the level which has prevailed for some time, this being $17 per ton for 20 percent stocks.

Insecticides

Demand for agricultural insecticides and fungicides lapsed into seasonal dullness in most sections of the country last week. Calcium arsenate, which enjoyed a later season than usual this year, showed a fair demand in some southern cotton states. The boll weevil has spread considerably throughout the cotton belt and is doing serious damage to top and late-planted cotton, according to the Agriculture Department. There was not a great deal to report in the market for other agricultural insecticides. Price schedules were maintained at former levels.

The president of the Argentine Republic has presented to congress a bill which would authorize an appropriation of 10,000,000 pesos to aid in the coming campaign against the locust. The appropriation would be used primarily for the purchase of 8,000,000 meters of corrugated steel sheets for use as barriers. One-fourth of the sum would be spent for 5,000 flame throwers, chemicals, and other accessories used for the destruction of the locust, according to the office of the commercial attache at Buenos Aires.

—*Continued on page 27*

VICTOR

PHOSPHORIC ACID

50% and 75% Strengths

A sparkling, crystal clear liquid whose purity has established a new high standard never attained heretofore in the commercial product.

VICTOR CHEMICAL WORKS
141 W. Jackson Blvd., Chicago

SERVICE
UNIFORMITY
QUALITY

BARIUM HYDRATE
BARIUM REDUCTION CORPORATION SOUTH CHARLESTON, W. VA.

PERCHLORATE OF POTASH
INTERNATIONAL SELLING CORP. 26 Beaver Street NEW YORK

Dyestuffs, Textile and Leather Chemicals

Egg Products Highly Irregular—Mangrove Bark Easier—Wattle Bark Lower—Corn Derivatives Unchanged—Dyestuffs Quiet—Bichromates Steady

Movement of dyestuffs, textile and leather chemicals into consuming channels proceeded at a slower pace last week. The lull could be attributed in part to the holiday influence, while on the other hand consumers displayed some caution at this time before making Fall commitments. The approach of cooler weather and the end of Summer vacation shutdowns was expected to accelerate mill activity when sharp gains in retail business is reflected in reorders from wholesalers. Pricewise the market displayed lower interest. Prices were without alteration.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Egg yolk, 2c. per lb.

Reduced

Egg albumen, 2c. per lb.
Mangrove bark, 50c. per ton.
Wattle bark, E. African, 50c. per ton.
S. African, $1.25 per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
150.0	151.6	151.7	155.2

Market news that may have developed after this report was sent to press will be found on page 4.

quotations for egg albumen, mangrove bark, wattle bark and higher prices for egg yolk.

Bichromates continued to move fairly steadily into textile and leather consuming channels, and the price situation continued steady to firm. Alumina acetate and chloride were moderately taken. Zinc dust continued firm. Tanning materials noted a dragging tendency, with caution prevalent in nearly all instances. The temporary lull was expected for only a short period. Lower quotations were recorded in East African and South African wattle bark; mangrove bark was easier. Natural dyestuffs were taken in routine fashion. Cochineal and logwood were firm features. Imports of tumeric were about finished for the season. Egg products were highly irregular. Egg yolk advanced as the result of depleted stocks and the strength in the shell egg market. Imports of egg yolk continue negligible. Egg albumen was lower, while stocks were none too plentiful, demand has been at low levels. Dextrin and starch continued unchanged, although easiness still exists in the raw material market.

A synthetic tanning material invented by a Japanese chemist some ten years ago will soon be introduced to the domestic market in order to meet the demand caused by restriction over imports of the natural products, according to a recent press report. At the time he invented the product no restrictions were in force on imports of natural tanning materials. The present emergency period, however, permits it to be marketed at a price that competes with the imported natural product, according to the office of the American commercial attache at Tokyo.

Chemicals

Alumina Acetate.—Reports were to the effect that dyestuff, textile, and color trade were coming in the market for fair size commitments last week. Pricewise the market retained a steady to firm tone.

Alumina Chloride.—Movement of the crystal and solution into textile consuming channels was held at moderate levels, with some degree of caution still prevalent. Prices ruled unchanged.

Potash Bichromate.—Sellers could point to a steady interest in the market from major consuming channels last week, with the leather and textile industries continuing to display a fair

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Potash Prussiate.—The market moved through another routine period, with consumers inclined to order out quantities on a scale commensurate with nearby requirements. Prices ruled unchanged. July imports were 14,993 pounds, valued at $3,265, of which 7,717 pounds came from Germany and 7,276 pounds from the Netherlands.

Soda Bichromate.—The call for bleaching purposes, textiles and tanning interests was maintained at a steady pace throughout the past week. Pricewise the market was without change. July exports totaled 525,779 pounds, valued at $33,317, of which 22,174 pounds went to the Netherlands; 44,800 pounds to the United Kingdom, 250,143 pounds to Canada, 21,499 pounds to Mexico, 100,491 pounds to Newfoundland and Labrador, 51,119 pounds to Brazil, 10,596 pounds to Chile, 6,702 pounds to Union of South Africa, and 11,990 pounds to Egypt.

Zinc Dust.—The market continued to display a firm price tone. Sellers reported a slightly better inquiry existed in the market from some consuming channels.

Dyestuffs

Annatto.—The call for the seed and paste material came in small quantities for the account of the textile, food and paint trades last week. The market offered no changes pricewise.

Cochineal.—Interest in the market was only routine, with principal consuming interest inclined to make commitments when needs became urgent. A steady to firm price tone prevailed.

Fustic.—Textile and tanning interest were making modest commitments in some sections, but cautiousness still was apparent in most directions.. No change was reported in the quotations.

Hypernic.—There was comparatively little of importance to report in the market last week. The appearance of orders were chiefly concerned with moderate quantities. Prices were in conformity with the previous week.

Logwood.—A fair inquiry was reported in the market from tanning and textile trade, sellers were looking forward to better business a little later in the year. Prices ruled firm. July exports of logwood extract amounted to 28,757 pounds, valued at $3,801, of which 3,025 pounds went to Belgium; 9,489 pounds to the United Kingdom; 5,641 pounds to Canada; 2,500 pounds to Colombia; 1,792 pounds to Japan and 2,627 pounds to the Philippine Islands.

Turmeric.—Business in the market was at a slow pace throughout the week just closed. The season for imports has about ended, and sellers probably have sufficient stocks on hand to take care of the call. Prices ruled unchaned.

Sizing Materials

Albumen, Egg.—Quotations were lowered 2c. per pound for the domestic and imported material last week. Prices follow:—Crystal, 78c. to 80c. per pound; powdered, 83c. to 85c. per pound, and imported albumen, 78c. to 80c. per pound. While stocks are none too plentiful the warm weather during the past few months has not stimulated demand, so with the cooler weather approaching the lower quotations should help the market considerably.

Dextrin.—A fair buying interest was manifest in this direction last week. While quotations have been lower recently as the result of the weakness in the raw material market, consumers showed some hesitancy about coming in the market for large size withdrawals. Price situation last week noted no alteration. Corn acreage allotments next year will not be greatly different from the 1938 allotments if this year's corn crop turned out as forecast in August, according to the agricultural adjustment administrator.

Egg Yolk.—Prices were advanced 2c. per pound last week at 66c. to 68c. per pound. The strength in the market could be attributed to a large size withdrawal recently, which has left the market stocks somewhat depleted, together with the absence of any import material of consequence. Further firmness in the shell egg market also was a factor.

Starch.—There was nothing new to report in the market as far as prices were concerned, although the weakness in the basic commodity was being watched closely. Sellers report caution on the part of large consumers to restrict commitments to nearby requirements. The corn crop is maturing rapidly with an increasing amount now safe from frost damage. East of the Mississippi river the condition of the crop continues favorable except for some firing of late fields in eastern Ohio and some deterioration in central and southern Illinois, according to the weekly weather report.

Tanning Materials

Mangrove Bark.—A slight reduction was recorded in this material last week to the $24.00 per ton level. Business was reported as somewhat spotty.

Myrobalans.—Quotations for the various grades of myrobalans noted no price changes last week. A fair inquiry was reported in this direction at times.

Quebracho.—The market had a dragging tendency throughout the past week. The influence of Labor Day holiday may have retarded business somewhat, consequently sellers are looking forward to more normal business in the subsequent weeks of the month. Prices ruled unchanged.

Sumac.—A steady to firm price tone prevailed in the market. Business was described as only fair, with some hesitancy noticed at this time.

Valonia.—Business in the market for the beards and cups showed a disposition on the part of consumers to mark time before entering the market for substantial quantities. Quotations were in conformity with the preceding period.

Wattle Bark.—Quotations were lower last week with the East African quoted at $39.50 per ton, while the South African was reduced to $40.50 per ton. Business was reported at moderate levels.

Heavy Chemicals

Insecticides

—*Continued from page 26*

Calcium Arsenate.—A fair interest prevailed in some southern cotton states where the boll weevil has spread considerably, and is doing serious damage to top and late planted cotton. Prices ruled unchanged. July exports amounted to 17,076 pounds, valued at $1,099, of which 16,368 pounds went to Canada; 308 pounds to Colombia and 400 pounds to Australia.

Lead Arsenate.—There was very little feature to the market last week. Demand was seasonally quiet, and price schedules were steady to firm. July exports totaled 373,815 pounds, valued at $34,400, of which, 4,000 pounds went to Canada; 109,944 pounds to Argentina; 24,000 pounds to Bolivia; 56,000 pounds to Chile; 26,048 pounds to Australia; 44,947 pounds to New Zealand and 103,576 pounds to the Union of South Africa.

Nicotine Sulphate.—A steady to firm price tone prevailed in the market. There was comparatively little of importance to report from the demand standpoint at this time. July exports were 19,151 pounds valued at $12,446, of which 5,332 pounds went to Germany; 3,053 pounds to Canada; 1,000 pounds to Argentina; 6,742 pounds to Australia and 2,800 pounds to New Zealand.

Ascorbic Acid Data Published by Merck & Co.

Another of a series of "Merck Service Bulletins," this one dealing with ascorbic acid has just been mailed to proprietary and pharmaceutical manufacturers by Merck & Co., Inc., Rahway, N. J.

This bulletin contains up-to-date information for the manufacturer and a summary of recent clinical investigation. It describes the physical characteristics of the product, structural formula, melting point, stability, solubility, etc., gives the specific indications of ascorbic acid and discusses its uses in cases of vitamin C deficiency. Copies of the bulletin are available to drug manufacturers on request.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
BICHROMATES

NIACET PRODUCTS
Acetic Acid
Glacial - U.S.P. - Reagent
Acetaldol
Acetamide
Paraldehyde
Acetaldehyde
Iron Acetates
Copper Acetate
Methyl Acetate
Crotonaldehyde
Ammonium Acetate
Manganese Acetate
Sucrose Octa Acetate
Other Acetate Salts
"SODACET"
(Trade Mark)
SODIUM ACETATE
SPECIAL 90% GRADE
A fine free-flowing powder containing 50% more actual Sodium Acetate, pound for pound, than the usual 60% grade.
Aluminum Acetate Solutions
20% Normal, 32% Basic
Sodium Acetate
Tech. 60%, Special 90% Grades
NIACET
CHEMICALS CORPORATION
NIAGARA FALLS, N.Y.

MUTUAL
Mutual Bichromates
BICHROMATE OF SODA
BICHROMATE OF POTASH
OXALIC ACID
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY
MINES IN NEW CALEDONIA

IMPORTANT TO YOU!

A QUICK REVIEW OF BARRETT TAR ACIDS

Barrett Tar Acids are produced to meet highest standards of quality, uniformity and dependability. Barrett's unmatched service is available to every customer. Phone, wire or write for quotations.

PHENOL

(*Natural*) *U. S. P. 40° C. Minimum Melting Point* is a pure white crystalline product generally used in the manufacture of Phenol-Formaldehyde Resins when extremely light color is necessary. Also used in the manufacture of chemicals and dyestuffs requiring material of highest purity.

39° C. M. M. Pt. Technical approximates the U. S. P. material in quality and is recommended for use when it is not necessary to adhere strictly to Pharmacopœia specifications.

82-84 per cent and 90-92 per cent Technical—grades which contain limited amounts of Ortho, Meta and Para Cresols.

CRESOLS

U. S. P. Barrett Cresol U. S. P. not only meets U. S. Pharmacopœia specifications but contains less than 9 per cent Phenol.

Meta-Para Cresol. Standard grades having boiling ranges of 3° C. and 5° C. with Meta Cresol content — 55 per cent and 52 per cent minimum respectively.

Ortho Cresol. Minimum Melting Point 30.4° C.

Meta Cresol. 70 per cent and 80 per cent, for chemical and synthetic resin manufacturers.

Para Cresol. 85 per cent and 98 per cent, for chemical, synthetic resin and pharmaceutical manufacturers.

Special Cresol Fractions, to meet users' specifications.

CRESYLIC ACID

Straw color and dark grades of various distillation ranges, depending on requirements. Special grades for synthetic resin manufacturers.

XYLENOLS

Boiling range 210-225° C. or narrower fractions, if desired. Also Meta Xylenol Crystals (symmetrical).

TAR ACID OILS

Carefully blended oils ranging in tar acid content from 10 per cent to 75 per cent.

THE TECHNICAL SERVICE BUREAU of The Barrett Company invites your consultation with its technically trained staff, without cost or obligation. Address The Technical Service Bureau, The Barrett Company, 40 Rector Street, New York.

THE BARRETT COMPANY
40 Rector Street, New York

THE BARRETT COMPANY, AMERICA'S LEADING MANUFACTURERS OF COAL-TAR PRODUCTS • ROOFINGS • TARVIA • CHEMICALS

Barrett CHEMICALS

Coaltar Chemicals

Conditions in Coaltar Chemicals Display Little Change—Imported Cresylic Acid and Crude Naphthalene Lower—Coaltar Solvents Show Slight Improvement

Conditions in the market for coaltar chemicals displayed little change during the week just ended. It was yet too early to discern a trend for the Fall, but sentiment was more cheerful for a revival of interest from principal consuming channels. Coaltar solvents were slightly improved. However, other basic products continued quiet. Intermediates, acids and colors were only in fair demand. Changes in the market were confined to lower quotations on imported cresylic acid and imported crude naphthalene.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Acid, cresylic, imported, 10c. per gal.
Naphthalene, crude, imported, 10c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.9	125.9	125.9	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Toluol and xylol were reported to be slightly more active, the improvement being of a general nature. Although the betterment was not substantial, it indicated consumers were coming into the market for replacement orders because inventories were depleted. Moreover, further improvement was anticipated, especially from automotive centers where higher operating schedules were expected. Benzol was well taken again, with larger consumers showing interest sufficient to keep producer's surplus stocks depleted. Cresylic acid continued to lag, with principal consumers showed little interest. Lower prices prevailed in the imported market. Another slow week was witnessed for crude and refined naphthalene; imported crude material was available at lower quotations. Activity in phenol was only fair. Cresol was a routine affair. Creosote oil market failed to display any particular change. Coaltar pitch was steady. Crude and refined coaltar was only moderately active.

Coaltar intermediates were fairly well taken. A steady to firm price tone prevailed. Anilin moved out in fair quantities. Monochlorobenzene was firm. Phthalic anhydride was irregular. Exports of coaltar intermediates during July aggregated 307,500 pounds, valued at $54,191. Coaltar acids moved in a moderate fashion. Coaltar colors experienced only mild demand, with the usual lull characteristic of this time of the year making its appearance in some directions.

Basic Products

Benzol.—Conditions in the market remained relatively unaltered. The larger consumers were making withdrawals of benzol commensurate with production schedules. The short position of the market, while noting some improvement as the result of higher coking operations, was insufficient to relieve the statistical position to any great extent. Sellers have been unable to accumulate any surplus stocks of this material in recent months. Steel operations last week were sceduled at 39.5 percent of capacity, compared with 44 percent a week ago, 39.4 percent last month and 71.6 percent in the corresponding week a year ago. The slight decline in steel operations was attributed to the readjustment of operations because of the Labor Day holiday. Steel production in the United States in August totaled 2,546,988 gross tons, the largest total in ten months, and an increase of nearly 30 percent over 1,982,058 tons produced during July. The figure was nearly 48 percent below the output of 4,877,826 tons in August, 1937. Production was at a rate equivalent to 42.85 percent of capacity in August, compared to 33.42 percent in July and to 28.46 percent in June, the low point for 1938. In August, 1937, output averaged 83.83 percent of capacity, according to the American Iron and Steel Institute. July imports of benzol amounted to 86,041 gallons, valued at $10,226, all of which came from Canada. Exports during July aggregated 662,099 gallons, valued at $96,012, of which 102,804 gallons went to Belgium; 478,304 gallons to the United Kingdom; 6,027 gallons to Canada; 10,819 gallons to Cuba; 14,499 gallons to Argentina; 1,060 gallons to China; 47,053 gallons to Japan and 530 gallons to New Zealand.

Coaltar.—Withdrawals against contracts of crude and refined coaltar were reported only moderate. There was little disposition to place orders beyond urgent requirements. Quotations were without alteration. July exports amounted to 195,267 pounds, valued at $14,667, of which 190,155 gallons went to Canada; 700 gallons to Yugoslavia; 700 gallons to Dominican Republic; 620 gallons to Argentina; 697 gallons to Colombia and 1,628 gallons to Australia.

Creosote Oil.—The market failed to display any particular change both in regard to the demand and prices. Large consumers were content to bide their time before coming into the market for any substantial quantities. July exports totaled 320,189 gallons valued at $44,046, of which, 312,738 gallons went to Canada; 4,363 gallons to Nicaragua; 3,201 gallons to Jamaica; 1,031 gallons to Cuba.

Cresol.—The call from the synthetic resin industry and disinfectant trade was along routine lines for the most part. Some interest was shown by dyestuff manufacturers for various grades of cresol. Prices were maintained at previous levels, and a steady tone prevailed in the market.

Cresylic Acid.—There was comparatively little of importance to relate in the market last week. Principal consuming channels were not manifesting a great deal of interest in the market at any time. Domestic quotations were unaltered. An easier tone prevailed in the import market, however, and material was available at lower quotations. The pale acid was reported at 65c. per gallon and the dark acid at 60c. per gallon. Business was negligible even at the lower levels.

Naphthalene.—Another dull week was witnessed in the market for refined and crude naphthalene. Sellers could report little interest for large size quantities, although it was felt that cooler weather should stimulate the demand for the crude material. Quotations were unchanged. The import market was lower with quotations reported at the $1.40 per 100 pound level, and business was lagging.

Phenol.—Interest in the market was reported as only fair. Moderate quantities were moving in some directions, but some large consumers, such as the synthetic resin and plastic trades were marking time for the present. Little activity was uncovered in the export market. Prices were without change.

Pitch, Coaltar.—Not a great deal could be said about business in this market last week. Withdrawals were of moderate proportions for the most part. Prices ruled unaltered. July exports aggregated 298 tons, valued at $5,030, of which, 87 tons went to France; 183 tons to Canada; 16 tons to the Union of South Africa; 5 tons to Bermuda; 3 tons to Argentina and 3 tons to Colombia.

Toluol.—Sellers were able to point to a slight improvement in the demand from industrial and automotive sources. While the betterment was not substantial, it indicated that some consumers were reaching bottom on inventories. A return to more normal operations in the automobile industry was expected to considerably improve the situation in the near future. A steady to firm tone prevailed in the market.

Xylol.—The appearance of a more active interest from many consuming sources for moderate quantities gave the market a steadier tone last week. Large consumers were still hesitant

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

about placing sizable commitments. Prices were without change.

Chicago Coaltar Bases

Purchases of various grades coaltar bases are proceeding along fairly substantial lines, with market tone reported stable. Supplies of products are not overcrowding the market to any great extent at present. Feeling is said to be rather confident, although sellers say there is some caution evident among buyers. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 23c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—A steady to firm tone continued to prevail in the market last week. A moderate movement of material made its appearance from time to time.

Broenner's.—Usual consumers were making necessary commitments throughout the past week, and for the most part business was confined to small quantities. Prices were in conformity with the previous week.

Cleve's.—There was comparatively little to report in this direction during the past week. The call was along moderate lines, and quotations revealed no change.

Maleic.—Demand for the powdered and anhydride was described as fair, but there was little disposition to order beyond nearby requirements. Quotations ruled unchanged.

Salicylic. — The technical material was spotty last week. Some consumers displayed moderate interest, while others were showing none. A steady to firm price tone remained in evidence.

Other Intermediates

Anilin.—Interest from chemical processors and the textile trade proceeded at fair levels last week. A steady to firm tone continued to prevail.

Anthraquinone. — Dyestuff manufacturers made their appearance from time to time for moderate quantities. Sellers were adhering to quotations previously in force.

Dinitrobenzene.—Business was maintained at a fair level, although consumers were reported to be making only necessary commitments at this time. No change was uncovered in the quotations.

G. Salt.—The call was made up of small-sized quantities for the most part. There was nothing new to report in the price situation, and a steady to firm tone prevailed.

Monochlorobenzene. — There was nothing new to report in the market, business was only at fair levels, while prices were in conformity with the previously established quotations.

Orthotoluidine.—Another routine pe-

Dyestuffs Business Shows Improvement

Business in the dyestuffs industry took a turn for the better in July, says E. K. Halbach, president of the General Dyestuff Corporation, this city, in reply to a recent inquiry by the REPORTER. The improvement was continued and increased through August, Mr. Halbach says, and it is his belief that business should be good through the Fall.

In explanation of conditions and of his views, Mr. Halbach says:—

Apparently no matter what the general world conditions are, or the specific political conditions in this country, the consumer can go just so long without buying, and after the comparatively dead first six months, conditions have undoubtedly begun to improve.

J & L LIGHT OIL DISTILLATES

Commercially Pure Benzol
90% Benzol • CXP Benzol
XYLOLS (Solvent Naphtha)
Reagent Benzol • Pure Toluol
Sulphate of Ammonia

JONES & LAUGHLIN STEEL CORPORATION
PITTSBURGH, PENNSYLVANIA

QUALITY ★ UNIFORMITY ★

Reilly

4 DECADES OF PROGRESS

COAL TAR PRODUCTS

15 PLANTS TO SERVE YOU

Reilly Coal Tar Products can be relied upon for uniformity, high quality and strict conformity to specifications. Of equal importance to the user is availability of these products. Fifteen REILLY Plants, strategically located, insure delivery in time to meet your needs. Whatever your requirements may be for coal tar products and derivatives, REILLY offers the service and the product that will serve you best.

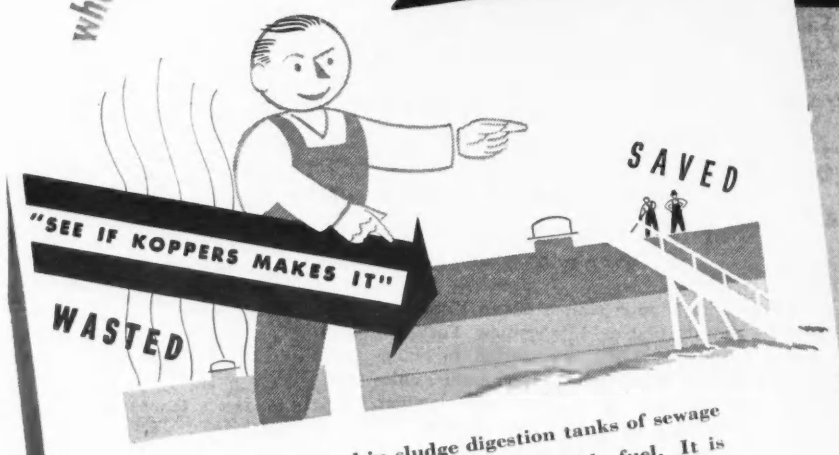
☆

REILLY TAR & CHEMICAL CORPORATION
Executive Offices: Merchants Bank Building, Indianapolis, Indiana
2513 S. Damen Avenue, Chicago, Illinois • 500 Fifth Avenue, New York, N. Y. • St. Louis Park, Minneapolis, Minn.

ACIDS: Cresylic Acid . High Boiling Tar Acids . Phenol . Low Boiling Xylenol . U.S.P. Cresol . Ortho Cresol . Meta Para Cresol.
OILS: Neutral Oil . Tar Acid Oil . Light Oil . Creosote Oil . Coal Tar Oil . Brushing Oil.
INDUR PLASTICS: Insulating Varnish . Laminating Varnish . Molding Powder . Molding Resin.
CHEMICALS: Acenaphthene . Anthracene . Carbazole . Fluorene . Methyl Naphthalene . Phenanthrene . Naphthalene.
SPECIAL PRODUCTS: Carbon Coke . Coal Tar Paints . Coal Tar Pitch . Bituvia Road Tar . Flotation Oils . Pipe Coating . Transote . Roofing Felt, Pitch, and Tar.

when you are in the market for anything

SEE IF KOPPERS MAKES IT...



The gas generated in sludge digestion tanks of sewage disposal plants is a valuable combustible fuel. It is usually burned to heat the sludge and to produce power for the operation of the plant. Many of those digestion tanks are of concrete and they are not gas-proof. This causes serious losses of the gas.

Koppers technical men were called in on this problem when a sewage disposal plant was being built recently in an Ohio city. Koppers Membrane Waterproofing was used to make completely gas-tight envelopes for the tanks. The waterproofing also prevents the action of ground water from causing deterioration in the tanks.

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—98%, pale low-boiling. Insecticide Grades—98%, pale, high-boiling) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Product Recovery Apparatus . . . Sulfur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's Self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Pressure-treated Lumber

KOPPERS COMPANY
PITTSBURGH, PA.

riod was the rule in the market during the past week. Pricewise the market was without feature.

Paranitrotoluene. — Small quantities continued to make up the call during the week just closed. However, a fairly steady interest was uncovered, and prices were held at previous levels.

Phthalic, Anhydride.—A steady to firm tone governed the dealings in this direction. Withdrawals were highly irregular, with some large consumers, such as the synthetic resin industry displaying only mild interest.

Schaeffer's Salt.—The market displayed little in the way of new developments, and usual consumers made moderate withdrawals. Prices were in conformity with the preceding period.

Thiocarbanilide.—Pricewise the market displayed a steady tone. Consumers were showing interest for moderate quantities when needs became urgent.

Coaltar Colors

Movement of coaltar colors into consuming channels was only fair last week. The usual lull characteristic of this time of the year made its appearance in some directions. Consumers were displaying caution before coming into the market for Fall requirements until a more definite trend of operating schedules could be ascertained. A steady to firm price tone continued to prevail, and quotations were without change. July exports of coaltar colors, dyes and stains aggregated 692,716 pounds, valued at $279,977, of which 50,761 pounds went to Belgium; 9,322 pounds to the Netherlands; 188,099 pounds to Canada; 27,225 pounds to Mexico; 16,166 pounds to Argentina; 15,982 pounds to Brazil; 79,004 pounds to British India; 57,698 pounds to Netherlands Indies; 33,660 pounds to China; 178,066 pounds to Hongkong and 3,374 pounds to Japan.

Cosmetic Color Data Requested by F.D.A.

—Continued from page 5

needs of the industry it is imperative that a complete list of the coaltar colors now furnished cosmetic manufacturers be submitted to the administration immediately by dye manufacturers.

In the limited time available before the law becomes effective it is entirely possible that preparations cannot be made for the certification of all colors employed by the industry. It is therefore suggested that the colors be listed in the order of their importance to the industry and that the use to which the color is put (such as lipstick, rouge, nail enamel, etc.) be indicated. It should be stated whether the importance of the dye is due to the large quantity produced or, if produced in relatively small amounts, whether it is vitally needed by the industry. Wherever possible the Colour Index number of the dye should be given. If you manufacture coaltar colors for use in medicinal preparations, a list of these colors is also desired.

Will you be good enough to reply by return mail if possible and submit a list of colors as requested above?

Soda Hexametaphosphate Potent Scale-Preventer

—Continued from page 4

would do the desired trick. Starting with what they considered were low concentrations, they cut these down and down until it was proved that only one or two parts per million effectively prevented the calcium carbonate from coming out of solution, even when relatively large amounts of ammonia were fed to the water.

The development of the threshold treatment is so recent that new applications are being found daily. In Ohio, the water supply of a city is being treated to prevent incrustation of the filters in the softening plant and of the distribution system throughout the city. In Illinois, a river which flows continuously through the condensers of a large commercial distillery is subjected to threshold treatment so that the condensers will not scale up. In Texas, where the condensers on petroleum-cracking stills used to plug up solid in one month, the use of the hexametaphosphate has prevented scale, allowing the units to run indefinitely. In State after State, where hard water supplies are encountered, railroads and steam power plants are using this phosphate glass in what seem like ridiculously small amounts to avoid operating difficulties resulting from calcium carbonate.

Diamond Alkali Promotes Copeland, Fraley and Mattern

A. H. Copeland has been appointed assistant to George B. Cooper, vice-president in charge of sales for the Diamond Alkali Company, Pittsburgh. Fred W. Fraley has been named director of sales, and J. D. Mattern has been made manager of alkali sales. J. C. McKenna, formerly New York representative, has been appointed assistant manager of alkali sales, located in Pittsburgh. C. V. Douglas has been appointed metropolitan New York representative, with headquarters in New York. Mr. Douglas has resigned the presidency of the George Chemical Company, New York, to accept the position. H. P. Smith, vice-president and treasurer of the George Chemical Company, will succeed Mr. Douglas in the George organization, and will be in charges of sales for that company.

Penna. Salt Co. Distributing Liquid Chlorine Bulletin

The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., is distributing a revised edition of its bulletin on chlorine. This edition presents up-to-date practical information regarding the properties and safe utilization of chlorine and its compounds in processing industries. The bulletin contains a number of curves and tables outlining the basic properties of chlorine. In addition, it contains schematic drawings and illustrations of the safety devices used on shipping containers carrying liquid chlorine.

Coaltar Dyes Strength Standards Issued

The Bureau of Customs has published supplementary list No. 54 of proposed standard of strength of imported coaltar dyes. The list, which was approved August 1, 1938, is as follows:—

Std. No.	Class index.	Name of standard.	Mfr.	Partial list of trade names of imported products commercially identical with each standard.	Mfr.
1 BU	(M)	Chrome luxine yellow 5G	(D-H)	Chrome fast yellow 5GD	(IG)
2 BU	(DAS)	Cibacete orange 4R pdr. 20%	(J)		
3 BU	(L)	Cyanine HG paste 20 percent	(IG)	Cyanine HG paste and pdr	(IG)
4 BU	(M)	Eriochrome brown DKL	(G)	Acid anthracene brown LE	(IG)
5 BU	(SV)	Indigosol printing blue IB	(D-H)	Indigosol printing blue IB	(IG)
6 BU	(SV)	Indigosol red IFBB 30%	(D-H)	Indigosol red IFBB	(IG)
7 BU	(SV)	Indigosol yellow V 25%	(D-H)	Indigosol yellow V	(IG)
8 BU	(A)	Neolan pink BA	(J)		
9 BU	(A)	Novazol violet Z 769	(G)	Violet 3BW for nitrocellulose lacquer	(J)
10 BU	(DAS)	Setacyl direct blue for discharge G	(G)	Setacyl direct blue for discharge G supra 1845	(G)
11 (V)		Vat scarlet GK suprafix 16% paste	(IG)	Vat scarlet GK paste and pdr	(IG)
12 BU	(L)	Vulcanosol red G 10% paste	(IG)	Vulcan fast red G pdr	(IG)
		Additional names of dyes corresponding to dyes already adopted as standards			
154	S-VII 1237 C-1114	Anthrene blue BCS 20% paste	(NCW)	Solanthrene blue NSB-Fine	(CN)
195	S-VII 305 C-326	Benzo fast orange S	(By)	Direct fast orange S	(P)
211	(D)	Benzo rhoduline red B	(By)	Direct fast purpurine	(IG)
4BF	(A)	Blue FFG	(IG)	Pure blue for wool NFF	(CN)
223	S-VII 767 C-667	Brilliant acid green 6B	(By)	Erio viridine BG supra II 1977	(G)
240	(D)	Brilliant congo violet R	(A)	Brilliant congo violet RF	(IG)
249	S-VII 762 C-663	Brilliant glacier blue	(J)	Setocyanine pure 455	(G)
286	(DAS)	Celantine brilliant violet B 20% paste	(S-D)	Artisil direct violet BPD 20% paste Setacyl direct violet B 1847	(S) (G)
305	S-VII 935 C-814	Chloramine yellow FF	(By)	Direct chloramine yellow FF double	(P)
IBB	(D)	Chlorantine fast red 6BL	(J)	Fastusol red L4BL	(IG)
351	S-VII 1354 C-1184	Ciba blue 2BD 16% paste	(J)	Indigo N4B 20% paste	(CN)
8BN	(DAS)	Cibacete blue green B	(J)	Artisil direct blue 2GD 16% paste	(S)
369	(V)	Cibanone brown R paste	(J)	Cibanone brown RN	(J)
434	(D)	Diamine fast brown R	(C)	Diphenyl fast brown 2RL 2230 conc.	(G)
442	S-VII 935 C-814	Diamine fast yellow B	(C)	Direct chloramine yellow R	(P)
9BI	(D)	Dianil yellow 5G	(IG)	Cloth fast yellow 5G conc	(J)
476	S-VII 283 C-134	Diazine black G	(K)	Black JI	(IG)
482	(Dd)	Diazo brilliant green 3G	(By)	Diazo brilliant green G	(J)
499	(Dd)	Diazo brown SW	(J)	Diazo brown SWA	(J)
533	S-VII 671 C-581	Direct deep black E extra	(By)	Diphenyl deep black GAW supra I 2212 Formic black CAW-pure I 2214	(G) (G)
542	(O)	Duranol red 2B paste	(BDC)	Red 3B for acetyl-cellulose lacquer	(J)
554	S-VII 838 C-720	Eriochrome azurol B extra 1041	(G)	Chrome blue B	(P)
562	S-VII 840 C-722	Eriochrome cyanine R	(G)	Chrome cyanine R	(P)
564	S-VII 849 C-Listed	Eriochrome geranol R	(G)	Chrome violet ECR high conc	(P)
567	S-VII 742 C-652	Eriochrome red B	(G)	Chrome red ECB	(P)
11BN	S-VII 583 C-292	Eriochrome verdon S	(G)	Neochrome green NB	(CN)
587	S-VII 871 C-758	Fast acid violet R	(M)	Fast acid violet E 6662	(P)
604	(Da)	Formal fast black G conc	(G)	Formal fast black G supra III 2215	(G)
621	(A)	Guinea fast red BL	(A)	Acid light red B	(P)
705	S-VII 1236 C-1110	Indanthrene blue GGSP paste	(B)	Vat blue G GSZ double paste	(IG)
709	S-VII 1228 C-1106	Indanthrene blue RS paste	(B)	Solanthrene blue NRSP	(CN)
712	S-VII 1279 C-1173	Indanthrene blue green B paste	(B)	Cibanone blue 3G micro paste	(J)
12BA	S-VII 1114 C-Listed in Suppl.	Indocarbon CL	(IG)	Fast sulphur black CI conc	(P)
9BT	(A)	Milling yellow H5G	(IG)	Milling yellow N7JL	(CN)
16BM	(A)	Neolan bordeaux B	(J)	Neolan bordeaux BE	(J)
12BD	(M)	Omega chrome violet B	(S)	Acid chrome violet B	(CN)
897	(Dap)	Para brown V extra	(By)	Nitrophenyl brown BV conc. 2216	(G)
915	S-VII 910 C-793	Phosphine 3R	(A)	Brown for discharge R extra conc.	(CN)
928	S-VII 95 C-79	Ponceau 2R	(M)	Lake scarlet R RZ	(IG)
21BF	(PC)	Rapid fast orange RH paste	(IG)	Naphtazol direct orange NR paste	(CN)
967	S-VII 87 C-324A	Rosanthrene B	(J)	Diazamine red NB conc	(CN)
13BC	S-VII 87 C-324A	Rosanthrene R	(J)	Diazamine red NJ conc	(CN)
970	(Dd)	Rosanthrene fast bordeaux 2BL	(J)	Diazo fast bordeaux 5BL	(IG)
1047	S-VII 696 C-577	Trisulphon brown 2G	(S)	Direct chloramine brown RS	(P)
19BR	(V)	Vat red FFBO 20% powder	(IG)	Vat red FBBW fine powder for dyeing	(IG)
1074	S-VII 974 C-833	Wool fast blue BL	(By)	Fast brilliant brilliant cyanine	(CN)

Sal Ammoniac Used as Fertilizer in Chosen

OPD Washington Bureau
September 6, 1938

The Nippon Chisso Hiryo Kabushiki Kaisha (Japan Nitrogenous Fertilizer Company, Ltd.) has started manufacture of sal ammoniac (ammonium chloride) at its Hommiya, Chosen, plant, according to a report received by the Department of Commerce from the office of the commercial attache at Tokio. The sale of the chemical has recently been authorized by the Government-General of Chosen, as a nitrogenous fertilizer material.

The Nippon Chisso concern is the first Japanese company commercially to produce fertilizer grade of sal ammoniac. The company will utilize surplus by-product calcium chloride in the manufacture of the ammonia salt. The company hopes that the product will find acceptance in place of sulphate of ammonia for the cultivation of certain agricultural products other than rice.

In Japan proper, the sale of sal ammoniac as a fertilizer is not yet allowed, but the report that the production of the chemical has been begun by the Nippon Chisso concern in Chosen has proved to be a most interesting development for fertilizer manufacturers in Japan, the report says.

Sulphanilamide Placed On Dangerous Drug List

—Continued from page 3

reference to sulphanilamide, which is as follows:—

It is the consensus of qualified experts that sulphanilamide is a valuable aid in the treatment of several serious disease conditions when the dosage is properly adjusted to the requirement of the individual patient and frequency of dosage and duration of treatment are intelligently and expertly directed. It is further the consensus of such experts that, when used under other conditions, it is a dangerous drug, capable of causing serious injury and even death.

In the light of these facts, careful consideration has been given to the status of sulphanilamide under the provisions of the food, drug and cosmetic act which deals with traffic in dangerous drugs.

Sulphanilamide and drug preparations containing sulphanilamide or related compounds for indiscriminate use by the general public, in a manner which constitutes a serious danger to health, are, when found in interstate commerce, actionable, in the opinion of the Food and Drug Administration, under section 502 (j) of the Federal food, drug and cosmetic act, which section of the law is now in effect.

Institute of Glass Jobbers of Southern California has been formed in Los Angeles among the flat glass distributors and jobbers. A. E. Beaumont is secretary.

CRESYLIC ACID 97-99% Pale

AMERICAN-BRITISH CHEMICAL SUPPLIES, Inc.
180 MADISON AVE. Telephones: Ashland 4-2265 and 4-2266 NEW YORK

A NEW NEVILLE PRODUCT

P. H. O. for
SYNTHETIC ANTI-SKINNING AGENT
Varnishes
Printing Inks
Varnish Enamels

- Pale Lemon Color
- Mild Odor
- Less Retarding Effect on Drying Rate
- Effective Skin-Inhibiting Action

Complete Data and Working Sample on Request

Ask also for new booklet "Neville Plasticizing Oils"

THE NEVILLE COMPANY
PITTSBURGH, PA.

21

Paint, Varnish, Lacquer Materials

Trade Maintains Earlier Gain—Fourth Quarter Contracts Not Expected to Undergo Much Price Change—Natural Resins and Naval Stores Steady

The purchase of paint, varnish and lacquer chemicals maintained the narrow improvement that has been reported since the latter part of last month but there was no further gain during the few days that followed the Labor Day holiday. Hopes for a quick awakening of trade are pinned upon the automobile industry's needs of finishes but as yet calls from the middle Western automobile manufacturers have not been sufficient to broaden the demands for the ingredients used in these finishes.

The question of quarterly adjustment of prices on contracts for the final three months of 1938 will come up for consideration this week and from unofficial opinions available last week there were not likely to be many changes from present levels. A good deal of opaque pigments should move into consumption during the latter half of this month as it is presumed that buyers will take in all of their undelivered balances on contracts that were written below present price levels and which expire September 30.

The decline of natural resin prices was halted for last week at least. For the first time in several weeks, prices for replacement from abroad failed to move.

Rosin and turpentine continued quiet last week but the tone of southern and local markets was steady. Price changes were narrow. Arrivals in seaboard markets were liberal but daily offerings were light, the bulk of the arrivals being placed in storage. Stocks in primary centers are now much larger than at this time last season. There were predictions of a decrease in production during the latter half of the current month.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Amyl acetate, tech., ½c. per lb.
Diamyl phthalate, 1½c. per lb.
Dibutyl phthalate, 1½c. per lb.
Rosin, gum, 5c. to 15c. per 280 lbs.
Tributyl phosphate, 8c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.1	**131.1**	**131.1**	**134.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The London lead market was the center of interest last week. Prices abroad advanced sharply following the announcement of the formation of an international cartel of lead producers. The quick agreement of the conference to cartelize the industry outside of the United States was a surprise to many who had expected some opposition to the plan. London prices rose from £13 8s 9d per ton on Monday to a high for the week of £15 5s per ton on Thursday. The American market was unchanged by the move but lead interests here were able to "breath easier" as the foreign price had been considered too close to the American parity for the latter's safety. The United States interests are represented in the conference abroad by an official of one of the leading producers but the cartel does not bind the producers of this country and the aforementioned company's participation in the cartel is limited to the interests of its properties outside of this country. Early reports from London indicated that lead production would be cut immediately by 5 or 10 percent with a likelihood that a larger cut in production would be undertaken if necessary to stabilize prices. World lead production in July was 153,326 tons against 152,800 tons in June.

The London zinc market showed a little sympathy to the rise in lead prices abroad. The attempt to revive the international zinc cartel which is slated for consideration later this month also helped the foreign market. August stocks of slab zinc in United States declined 2,831 tons from the preceding month, totaling 143,377 tons. The month's production was 33,676 tons against 30,362 tons in July and 48,309 tons in August last year, according to the American Zinc Institute. Shipments in August totaled 36,507 tons against 33,825 tons in July and 50,643 tons in August last year. Stocks on August 31 were 143,377 tons against 146,208 tons on July 31 and only 11,227 tons at the end of August last year.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from September 3 to September 9, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0490@.0495	$0.0475	.. .. ..
Monday	*.....@.....	*.....	13 8 9
Tuesday	.0490@.0495	.0475	14 5 0
Wednesday	.0490@.0495	.0475	14 12 6
Thursday	.0490@.0495	.0475	15 5 0
Friday	.0490@.0495	.0475	14 18 9

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from September 3 to September 9, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0515	$0.0475	.. .. ..
Monday	*.....	*.....	13 1 3
Tuesday	.0515	.0475	13 3 9
Wednesday	.0515	.0475	13 2 6
Thursday	.0515	.0475	13 11 3
Friday	.0515	.0475	13 11 3

* Holiday.

Pigments

So far in September, pigment materials have had small gain of activity. Purchasing interest failed to liven in the few days that followed the Labor Day week-end. Lead pigments did not register any price response to the week's news of the formation of an international lead cartel in London nor were they expected to as the cartel affects only the markets outside United States.

White Lead.—Demands for the dry product against contracts continued small but were expected to improve through this month particularly toward the end of the month when the trade is expected to take all unshipped balances on contracts that were booked for the current quarter at less than the present replacement price. Lead-in-oil deliveries to dealers in the local area were moderate.

Red Lead.—The battery makers have been using material at a slightly faster pace but the paint trade's interest in replacements has not improved much so far this month. Prices for car lot and l.c.l. amounts remained at an unchanged position, having been steady for several weeks now.

Litharge.—Battery makers also have shown more interest in this product and last week's news of resumed operations in one of the large battery plants in Philadelphia was welcome. The plant in question had been shut down for four months because of labor trouble. Prices for litharge remained at the levels that have been in force for the past several weeks.

Titanium Pigments.—Titanium dioxide and the compound pigments have been favored with some improvement of interest since the closing days of last month and while last week's orders for deliveries were far from brisk, the sellers believe that September withdrawals will exceed those of August and those of September last year. Prices continued steady and unchanged.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

S & W RESINS

manufacturers of:

SYNTHETIC RESINS

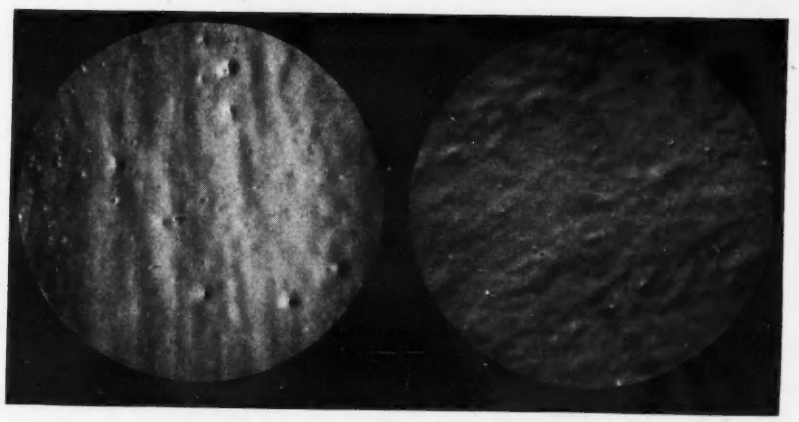
importers of:

NATURAL RESINS

Are you getting your copy of RESINEWS Regularly?

STROOCK & WITTENBERG CORPORATION

17 BATTERY PLACE, NEW YORK, N. Y.



(Left) Photomicrograph of a paint made with ordinary fillers. Note poor leveling and large pockets. (Right) Dicalite L Grade was used as an extender in this paint. Note excellent leveling, even dispersion of pigment and filler, and absence of pockets.

Uniform DRYING — Better LEVELING NON-BLISTERING film — when you use DICALITE DICALITE used as an extender or filler in paint provides uniform drying qualities—not only at the edges but throughout the paint fi'm. It also provides better leveling and more even dispersion of pigments. Futhermore, Dicalite permits the paint film to "breathe", thereby, eliminating the tendency to blister.

Why not try DICALITE in your paint products? Write to Dept. P for recommendations.

Visit the DICALITE Booth No. 34 at the Paint Show

Dicalite — FILTER-AID INSULATION ADMIXTURE ABSORBENTS FILLERS

THE DICALITE COMPANY

520 N. Michigan Ave. CHICAGO | 120 Wall St. NEW YORK | 756 S. Broadway LOS ANGELES

PRODUCTS OF UNIFORM SUPERIOR PERFORMANCE

Zinc Oxides.—Representative suppliers have not been favored with much of an improvement in trade so far this month. There has been some increase in tonnage but it has been small. Lead-free and leaded oxides continued steady in price.

Fillers and Extenders

Inert pigments and extenders were in spotty request. Some sellers were able to move fair-sized amounts out of their hands while others were unable to point to any gain over the preceding week. There was a generally livelier interest in imported materials because of the tense European political situation. There were no price movements reported in the market.

Barytes. — Domestic shippers held prices in an unchanged position. The demands have been light through the Summer months but September needs were expected to register appreciable gain.

China Clay. — Trade has livened slightly. Prices for domestic clays were held in a steady and unchanged position.

Dry Colors

Chemical colors were able to maintain the recent improvements on the demand side of the market and some colors accelarated their way into consumption last week. Earth colors were not moving so well as the chemical colors. Prices in the entire market were unchanged and from present indications there are not likely to be any changes in price for colors when the question of quarterly price adjustments comes up this week.

Cadmium Lithopones.—The suppliers of red and yellow lithopones advised that there had been no change in price as the result of the recent drop in cadmium metal prices.

Carbon Black.—Moderate increases in the volume and frequency of orders was reported by the makers supplying the tire industry albeit there has not been much of a step-up in the production schedules in Akron and other rubber centers. The black makers think that October-November production should require considerable larger tonnages of black than any of the months this year. Prices continued unchanged. Export business continued fairly good by comparison with the activity in domestic channels of consumption. June shipments abroad totaled 11,443,234 pounds with United Kingdom as the largest buyer.

Iron Blues.—Prices held steady and according to the opinion around the market, there is not likely to be any change in price when the question of quarterly contract prices comes up this week.

Phosphotungstic Toners. — Pricewise, the market has been quiet since the reductions that took place earlier in the Summer months. The demands have been moderate.

Sienna.—The market has not been favored with much attention. Buying interest failed to register any particular gain following the Labor Day holiday. Prices were unchanged.

Zinc Yellow. — The price for this product has not been changed for some time. Purchases were described as having been routine.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Varnish Gums

The decline of prices during the past several weeks was halted—at least for last week—when there were no changes in the replacement market prices for natural gums. The week's cables indicated a steady tone abroad and because of the light stocks and low values current, the markets should be sensitive to any buying movement and reverse the price trend of the past Summer which was continually downward.

Copals.—For the first time in some weeks, prices named for replacement from abroad did not change. The reductions in Loba and Singapore Manila dust which took place a week ago were the latest changes reported in this group.

Dammars.—The decline in the replacement market price of No. 1 Singapore gum halted last week after having declined from 16c. per pound in mid-August to the present basis of 15¼c. per pound. The Batavia standard grading was also unchanged last week.

Synthetic Resins

The manufacturers of ester gum were shipping material against contracts in limited fashion. Business has improved slightly since the latter part of August, but the market has much more room for improvement. The automobile industry's expected increase in demands for synthetic finishes has not reached the point where increased resin supplies were needed. Prices continued unchanged.

Naval Stores

A steady tone prevailed in Southern and local markets for rosin and turpentine last week, this apparently being due more to an absence of selling pressure than to any improvement in demand as the attitude of consumers and dealers at home and abroad underwent little change. Political news from Europe for the time being at least was regarded as less serious but for one reason or another consumers and dealers were disposed in many cases to hold aloof or limit their takings to comparatively small quantities despite the low prices prevailing, both turpentine and rosin being down to levels that are said to be much below the cost of production.

Daily offerings in primary centers were light. Receipts were liberal but some slowing down of production and marketing operations is expected later in the month. The bulk of the rosin and turpentine received in primary centers last week was placed in storage under the government loan. The money available for this purpose is expected to last up to the close of September. Representatives of producers were in Washington in connection with a movement to secure additional financial aid as well as other matters, including a curtailment program for next season, and there was an impression in some quarters here that an announcement of an encouraging nature from the viewpoint of sellers might be forthcoming in the near future. Another conference of representatives of the naval stores industry and government officials is scheduled for this week at Jacksonville. Up to the close of August 528,815 round barrels and 77,355 drums of rosin, and 153,432 round barrels of turpentine had been placed in storage under the government loan on which a total of $8,457,138 had been advanced to producers.

Exports of gum rosin during July, according to official statistics, were 35,458 barrels; wood rosin 28,101 barrels. Exports of gum turpentine during July were 733,207 gallons; wood, 191,975 gallons. Exports of pine oil were 139,866 gallons. Exports of tar and pitch of wood, 554,780 pounds. Exports of other gums and resins, 591,044 pounds.

Production of naval stores in Mexico during July was seriously interfered with by unusually heavy rains and as a result all of the rosin manufactured was second grade, according to consular advices from Durango. It was estimated that production for the month amounted to 16,900 gallons of turpentine and 161 metric tons of G, H, I, and K grades. Sales for the month were 16,000 gallons of turpentine shipped to the United States and 186 metric tons of K, M, and N grades of rosin to Netherlands and 30 tons of N, W, and G grades also to the same country. In addition 30 tons of rosin were sold to domestic soap manufacturers. Stocks on hand at the end of July were reported to be 22,400 gallons of turpentine and 405 metric tons of rosin. Export shipments of rosin have been seriously affected by the recent export tax law. Rosin is valued

What a Finish!

"Two years now I've been washing that car — summer and winter — and the finish is just as bright as when she was new."

Super Spectra helps to overcome the common failings of lacquers and enamels such as — loss of brilliance, checking, chalking and fading. Super Spectra still remains the standard for fine automotive finishes.

Super-Spectra
THE STANDARD AUTOMOTIVE BLACK

We Invite Inquiries on Technical Problems

200 TONS OF SMOKE A DAY

BINNEY & SMITH CO.
DISTRIBUTORS
Specialists in Carbon Blacks, Bone Blacks and Oxides of Iron
41 East 42nd St., New York, N. Y.
COLUMBIAN CARBON CO.
MANUFACTURERS

DISTRIBUTORS OF BINNEY & SMITH CO. PRODUCTS

Akron, Binney & Smith Co.... **Boston,** Hird & Connor, Inc.... **Cincinnati,** B. H. Roettker Co.... **Cleveland,** Binney & Smith Co.... **Chicago,** Binney & Smith Co.... **Detroit,** C. W. Hess Co.... **Kansas City, Mo.,** Abner Hood Chemical Co. **Los Angeles,** Martin, Hoyt & Milne, Inc.... **Montreal,** Binney & Smith Ltd.... **Philadelphia,** Binney & Smith Co. **St. Louis,** J. E. Niehaus & Co.... **St. Paul,** Worum Chemical Co.... **San Francisco,** Martin, Hoyt & Milne, Inc.

at 18 centavos per kilo which is about 3 centavos per kilo more than producers are able to sell their product to foreign consumers for. Turpentine is not included in the list of taxable exports. Naval stores producers state that unless the 12 centavo tax is removed from rosin they may be forced to suspend their operations.

A plant for the production of naval stores in Bulgaria was recently erected at Ladjene located in the center of the pine forest district of the Rhodope Mountains. Turpentine and rosin will be produced from oleo-resin collected in the pine forests located in the vicinity of the plant as well as from other state forests. At present it is reported that there are about 5,000 kilos of crude gum available from the state forests with other quantities to be collected when the plant starts operations.

Turpentine.—There was nothing stimulating in the way of market news from outside points and business here remained quiet. Many consumers and dealers are believed to be carying unusually small supplies but they showed little disposition to purchase ahead despite the low prices prevailing. Although receipts in Southern markets continued on a liberal scale there was no increase in daily offerings, the bulk of the arrivals being placed in storage.

SAVANNAH, Sept. 9.—Turpentine was quiet and the situation lacked new features of importance. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday..	..	...	...	...	.....
*Monday....	..	...	...	...	.....
Tuesday....	21½	160	621	144	48,390
Wednesday.	21½	...	1,118	20	49,488
Thursday ..	21½	172	618	80	50,026
Friday	21½	74	401	...	50,427

* Market closed.

JACKSONVILLE, Sept. 9.—Turpentine was quiet with offerings light. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday..	..	...	...	...	.....
*Monday....	..	...	...	...	.....
Tuesday....	21½	25	1,160	10	40,590
Wednesday.	21½	1	234	...	40,824
Thursday ..	21¾	18	294	653	40,465
Friday	21½	3	539	20	49,894

* Market closed.

PENSACOLA, Sept. 3.—Turpentine was quiet and steady. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	163	123	31,818
Tuesday	245	162	31,901
Wednesday	87	100	31,888
Thursday	339	122	32,105
Friday	93	...	32,198
Saturday	146	...	32,344

CHICAGO, Sept. 9.—Turpentine in this market looks to be holding its own fairly well. Ruling prices at the close of business last night were:—Five-drum lots, 30c. per gallon; five wood barrels, 35c.; single drums, 33c.; single barrels, 38c.

LONDON, Sept. 9.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	31	6
Monday	31	6
Tuesday	31	6
Wednesday	31	6
Thursday	31	6
Friday	31	6

CAMELINE CALCITE
Calcium Carbonate
Pure White
Dry Ground 325 Mesh
Used as:
Filler for Rubber, Insulation, Linoleum, Paint, Pigments, Plastics, etc.
HARRY T. CAMPBELL SONS' CO.
Towson, Baltimore, Maryland

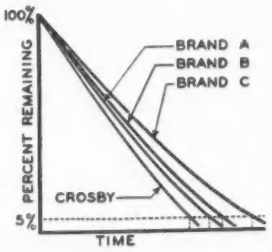
RED YELLOW IRON OXIDES BROWN BLACK
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

ASBESTINE
Reg. U. S. Pat. Off.
FOR PAINT MANUFACTURERS
INTERNATIONAL PULP CO., 41 Park Row, New York

PEERLESS CLAY *For the* PAINT INDUSTRY
R. T. VANDERBILT CO., Inc.
230 PARK AVENUE :: NEW YORK CITY

A COMPLETE SELECTION OF ESTER GUMS
all at
LOW PRICES
Samples FREE on request
JOHN D. LEWIS
Mfrs. of Lewisols and Imperial Ester Gum
INCORPORATED
PROVIDENCE, R. I.
Manufacturers of Synthetic Resins
STOCKS CARRIED AT MAJOR SHIPPING POINTS

ORGANIC AND INORGANIC
PIGMENT
COLORS
IMPERIAL
PAPER AND COLOR CORPORATION
PIGMENT COLOR DIVISION
GLENS FALLS, NEW YORK
Branch Offices and Warehouse Stocks:
PHILADELPHIA—BALTIMORE—CINCINNATI—ST. LOUIS
NEW YORK — DETROIT — DALLAS — SAN FRANCISCO
PITTSBURGH — CHICAGO — LOUISVILLE — TORONTO
BOSTON — LOS ANGELES — SEATTLE — CLEVELAND
THE LARGEST MANUFACTURERS OF CHEMICAL PIGMENT COLORS IN AMERICA

CROSBY
THERE IS A DIFFERENCE IN TURPENTINES


Laboratory tests on relative evaporation rates show that CROSBY Steam-distilled Wood Turpentine is superior to competitive brands. Comparing the times required for the evaporation of 95% of the sample,
Brand A requires 12% longer time than CROSBY
Brand B requires 20% longer time than CROSBY
Brand C requires 40% longer time than CROSBY
CROSBY NAVAL STORES COMPANY
Picayune, Mississippi

STEARATES

ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE

Stocks at
- NEW YORK
- CHICAGO
- ST. LOUIS
- KANSAS CITY
- DES MOINES
- LOS ANGELES
- SAN FRANCISCO
- NEW ORLEANS

FRANKS CHEMICAL PRODUCTS CO.
BLDG. 3, BUSH TERMINAL — BROOKLYN, N.Y.

Important—
Be sure your pails have "Howed-In" Gaskets—
DEWEY AND ALMY CHEMICAL CO.
CAMBRIDGE MASS.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.
101 Beekman Street New York

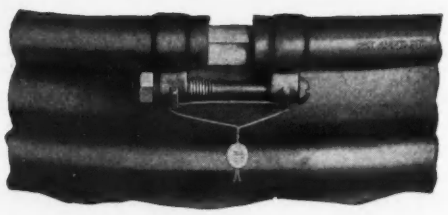
Crude, Refined, Processed
PAINT and VARNISH OILS

Sales Representatives:
D. H. Litter & Co., Inc.
New York, Boston, Philadelphia
White & Co., Akron, Cleveland, O.
Marshall Dill, Los Angeles
Thompson Hayward Chemical Co.
Dallas, Kansas City, Mo.
Geo. E. Moser & Son, Inc.
Detroit, Mich.
L. H. Butcher Co.
Portland, Seattle

CHINAWOOD OIL
PERILLA OIL
LINSEED OIL
SARDINE OIL
SOYABEAN OIL
HEMPSEED OIL
RAPESEED OIL
CASTOR OIL
GUM TURPENTINE
Special Oils to Order

PACIFIC VEGETABLE OIL CORPORATION
Importers, Refiners, Manufacturers 62 TOWNSEND STREET, SAN FRANCISCO, CALIF. *4½ million gal. U.S. Gov't Bonded Tank Storage*

EASTERN BOLTED RING SEAL DRUMS



WHERE added strength and security are needed use our "Bolted Ring Seal" drum shown above for shipping of Dry Chemicals, Dyestuffs, High Temperature Cements, Sweeping Compounds, Lime and Asphalts.

Supplied in Sizes from 10 to 70 gallons. Suitable for solids and semi-liquids.

We also make a complete line of Light Gauge Containers.

Write us for information regarding your container problems.

EASTERN STEEL BARREL CORPORATION
BOUND BROOK, NEW JERSEY

Stocks of American turpentine in London were:—

	Sept. 9.	Previous week.	Last year.
Barrels	29,121	46,497	14,063

Rosin. — Local quotations moved within narrow limits in company with developments in primary centers where the prevailing tone was steady. With funds still available for the purpose of holding supplies off the market, offerings at primary points remained light. Weather conditions were generally favorable and receipts continued large but there were predictions of some slowing down of operations in the woods before the close of the current month. Business here was quiet.

SAVANNAH, Sept. 9.—Changes in rosin quotations were moderate, the tone of the market being steady. Following is a record of the market for the week:—

	Price per unit—Low of range quoted—					
	*Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	...	$3.50	$3.50	$3.50	$3.50
D	...	...	3.85	3.90	3.90	3.90
E	...	...	4.00	4.10	4.10	3.90
F	...	...	4.15	4.15	4.15	4.00
G	...	...	4.15	4.17½	4.20	4.00
H	...	...	4.15	4.17½	4.20	4.00
I	...	...	4.15	4.17½	4.20	4.00
K	...	...	4.17½	4.17½	4.20	4.00
M	...	...	4.20	4.20	4.20	4.00
N	...	...	5.05	5.05	5.10	4.90
WG	...	...	5.17½	5.17½	5.20	5.00
WW	...	...	6.12½	6.12½	6.12½	6.10
X	...	...	6.12½	6.12½	6.12½	6.10
	Barrels					
Sales	...	...	486	230	107	596
Receipts	...	...	3,339	3,242	2,115	3,278
Shipments	...	...	1,567	1,146	200	...
Stocks	...	...	235,707	238,003	239,918	243,196

* Market closed.

JACKSONVILLE, Sept. 9.—The rosin market had a steady tone. Receipts were liberal. Following is a record of the market for the week:—

	Price per unit—Low of range quoted—					
	*Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	...	$3.40	$3.40	$3.40	$3.40
D	...	...	3.80	3.80	3.80	3.80
E	...	...	4.00	4.10	4.10	3.80
F	...	...	4.00	4.20	4.20	3.90
G	...	...	4.10	4.20	4.20	3.90
H	...	...	4.10	4.20	4.20	4.00
I	...	...	4.10	4.20	4.20	4.00
K	...	...	4.10	4.20	4.20	4.00
M	...	...	4.17½	4.20	4.20	4.00
N	...	...	5.00	5.00	5.00	4.90
WG	...	...	5.20	5.20	5.20	5.10
WW	...	...	6.15	6.15	6.15	6.15
X	...	...	6.15	6.15	6.15	6.15
	Barrels					
Sales	...	...	47	47	...	218
Receipts	...	...	3,469	1,295	1,592	2,736
Shipments	...	...	420	...	2,476	...
Stocks	...	...	196,570	197,865	196,981	199,717

* Market closed.

PENSACOLA, Sept. 3.—The rosin market remained quiet. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	550	1,071	206	761	443	865
Shipments	...	...	650	600	200	945
Stocks	54,156	55,227	54,783	54,944	55,187	55,107

CHICAGO, Sept. 9.—Buying of rosin has continued to ease off. Ruling prices at the close of business last night were:—B grade, $6.50 per lot of 280 pounds; G grade, $7.15; M grade, $7.20; W.W. grade, $9,12½.

LONDON, Sept. 9.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common.		W.W.	
	s.	d.	s.	d.
Saturday	13	3	17	9
Monday	13	3	17	9
Tuesday	13	3	17	9
Wednesday	13	3	17	9
Thursday	13	3	17	9
Friday	13	3	17	9

Pine Oil.—A steady tone continued to prevail in the local market. There was no broadening of trade, consumers generally being disposed to adhere to a conservative course in making purchases.

Pitch.—Quotations were maintained at former levels, the tone of the market here being steady. There was a fair movement into local and outside consuming channels.

Rosin Oil.—Local prices continued to rule steady. As in recent preceding weeks, purchasing was generally limited to comparatively small or moderate quantities to meet current needs of consumers.

Thus.—Stocks are small and the market retained a firm tone, quotations be-

"SUCO"

Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe

•

STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

Shawnee DRY COLORS
Color Content Guaranteed

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents
In Principal Cities
Distillers of Coal Tar Products

KELLOGG'S

MISCIBLE K

IN NEW FORMULATIONS

With Miscible Diamond K, the paint chemist is now free to formulate for the good characteristics of blown oils without being hampered by the variable and limited solubility of ordinary blown oils. Miscible Diamond K, by removing the limitations of solubility both in thinners and other oils, broadens the field of paint formulations.

A folder giving complete information about Miscible Diamond K and its application will be sent on request.

SPENCER KELLOGG AND SONS, INC.
BUFFALO, N. Y.

mineral pigments

C.K. WILLIAMS & CO. EASTON, PA. DRY COLORS FILLERS

NATURAL AND SYNTHETIC

PURE CHROMIUM OXIDES
are
STRONG - INERT - PERMANENT

C K WILLIAMS & COMPANY
EASTON·PENNSYLVANIA

ing held at former levels. The inquiry was light.

Shellac

A moderate amount of routine activity prevailed in the local shellac market, but business still lacked volume sufficient in size to give a substantially firmer undertone to conditions generally. Calcutta and London varied very little on the week, at the outside prices showing but a very small, fractional decline. A fair business was done with Calcutta but it comprised numerous small lots in the main. According to a report sent here by the United States trade commissioner in Calcutta, low prices prevailed during the first six months of the year in India, and manufacturers found it impossible to operate their factories at satisfactory volume; many suspended all production. Both domestic and foreign consumers purchased decreased quantities of shellac. At the end of June it was estimated that stocks of shellac on hand at Calcutta were the lowest on record and arrivals of gum at that port showed a considerable decline. Foreign markets, with the exception of Japan and Germany, are fairly well-stocked with shellac and no appreciable increase in shipments to foreign countries is anticipated for the balance of this year. A comparison of shellac arrivals and exports at Calcutta for the first six months of 1937 and 1938 follows:—

January-June

1937		1938	
Arrivals. Metric tons.	Shipments. Cases.	Arrivals. Metric tons.	Shipments. Cases.
13,952	316,332	8,032	180,602

Total exports of lac from India for the months of December-May, inclusive, 1936-37 and 1937-38, were 521,746 hundredweight for the 1936-37 period, as compared with 303,421 hundredweight for the 1937-38 period.

Calcutta, Sept. 9.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound. Sept. 9.	Sept. 2.
September	11⅛c.	11⅛c.

Day-to-day prices were as follows:—

	Per pound.
September 2	11⅛c.
September 3	No cables
September 5	Holiday here
September 6	11c.
September 7	11c.
September 8	11c.
September 9	11⅛c.

London, Sept. 9.—Prices quoted on London standard T.N. shellac, basis of sterling exchange at $4.88, were as follows:—

	September 9 Shillings. Cwt.	Cents. lb.	September 2 Shillings. Cwt.	Cents. lb.
October	37¾	8.2	39½	8.4
December	38¾	8.3	39½	8.6

Day-to-day closing prices were as follows:—

	Per hundredweight October.	December.
September 2	38s 6d	39s 6d
September 3	No cables	
September 5	Holiday here	
September 6	38s ..	39s ..
September 7	38s ..	39s ..
September 8	38s ..	39s ..
September 9	37s 9d	38s 9d

Lacquer Materials

Business in the market for lacquer materials and solvents was spotty. A slightly better inquiry was prevalent in some divisions of the market, but the tendency on the part of large consumers to mark time at this season of the year was to be expected. The holiday helped to retard activity to some extent. Changes in the market included lower quotations for technical amyl acetate, diamyl phthalate, dibutyl phthalate and tributyl phosphate. Sentiment in the market continued at high level, with the general opinion that business will commence to show improvement from now on. Reports from automotive centers indicate that considerable progress has been made in starting production schedules on 1939 models.

Acetone.—Transactions in the market were spotty last week. Reports of a better inquiry in the market was confined to some consuming channels, while others continued to mark time. Prices ruled unchanged. July exports aggregated 649,846 pounds, valued at $37,941, of which 219,260 pounds went to Belgium, 111,597 pounds to the Netherlands, 42,000 pounds to Sweden, 61,177

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

The Expert Touch

ULTRAMARINE & COBALT BLUES

● Users have learned from experience to depend on the unvarying uniformity of our line of Ultramarine and Cobalt Blues. This important quality is assured by the extreme care with which each step in their processing is carried out in our own plant—by our skilled workmen. These blues are of standard specialized types to meet the needs of today's manufacture of Paint and Printing Inks. We also offer a full range of types for the Paper, Rubber, Soap, Linoleum and Textile Trades. Send today for free working samples.

THE ULTRAMARINE COMPANY

THE CALCO CHEMICAL COMPANY, INC.

BOUND BROOK, NEW JERSEY

A Division of American Cyanamid Co.

Calco

Boston · Philadelphia · Providence · New York · Charlotte · Chicago · Paterson

E-Z SEAL DRUMS

with Full Removable Heads

Comply with ICC 5E Specifications

At Left—No. 55IBB-ICC 5E, 55 gal.—with Lever-Locking Ring.

Below—No. 30IDNT9-ICC 5E, 30 gal.—with Flatside Bolted Locking Ring.

Now you can have the practical advantages of the FULL OPEN HEAD DRUM for those of your products that must be shipped in containers meeting the rigid tests and requirements of ICC 5E specifications.

● E-Z SEAL ICC 5E DRUMS are made in two standard sizes—30 and 55 gallons—and in two practical styles of closures.

● The sturdy LEVER-LOCKING RING (No. 1B) tightens the cover securely in place, making a perfect, leak-proof closure. No tools are required to open or close this drum.

● The outside BOLTED LOCKING RING (No. 1DNT) is drawn around the drum and cover by a strong bolt and nut. The nut is permanently attached so that an ordinary hand or power screwdriver quickly tightens the closure.

Write for our CATALOG and PRICES on these and other STEEL PAILS and DRUMS for PAINTS, OILS, VARNISHES and LACQUERS.

STEEL PAILS and DRUMS

½ to 65 GALLON SIZES FOR EVERY PRACTICAL SHIPPING NEED

WILSON & BENNETT MFG. CO.

Eastern Office and Factory 353 Danforth Ave., Jersey City, N. J. Phones: Delaware 3-4700, Cortlandt 7-0231

GENERAL OFFICE AND FACTORY 6532 SO. MENARD AVE., CHICAGO, ILL. PHONE: PORTSMOUTH 8100

Southern Office and Factory Cortez and Bienville Sts., New Orleans, La. Phone: Galvez 2171

Southwestern Office and Factory: Port Arthur, Texas

Four Modern Factories—Sales Offices and Warehouses in Principal Cities

PARAMET SYNTHETIC RESINS

PARANOL 800

A Paramet development made specifically for overprint varnishes. It imparts a high degree of non-penetration, quick-setting, and paleness of film.

Paranol 800 is marked by extreme hardness, and good bodying action on all drying oils.

Typical Paramet quality and uniformity are maintained.

A competent technical staff invites your inquiries.

Our complete synthetic resin line includes:

"PARANOL" (Modified Phenolics)

"ESTEROL" (Alkyds)

"PARADURA" (Pure Phenolics)

"PARAMET" ESTER GUM (All Grades)

PARAMET CHEMICAL CORPORATION

Manufacturers of Synthetic Resins

44th Avenue and 10th Street

Long Island City, N. Y.

pounds to the United Kingdom, 56,690 pounds to Canada and 111,662 pounds to Australia.

Amyl Acetate.—Quotations for the technical material were lowered ½c. per pound, making tanks 9½c. per pound; car lots, 10½c. per pound and less car lots, 11c. per pound. Business continued along quiet lines last week. July exports totaled 21,822 pounds, valued at $2,720, of which 11,460 pounds went to Australia, 2,956 pounds to New Zealand, 5,850 pounds to the Union of South Africa, 783 pounds to Brazil, 343 pounds to China and 382 pounds to Canada.

Butyl Acetate.—A slightly better inquiry was reported in some directions, but on the whole large consumers were still displaying caution. Prices ruled unchanged. July exports were 325,619 pounds, valued at $31,500, of which 120,900 pounds went to Belgium, 110,233 pounds to Australia, 46,800 pounds to the United Kingdom, 17,550 pounds to Sweden and 8,970 pounds to the Netherlands.

Diamyl Phthalate.—Prices were reduced 1½c. per pound to 18c. per pound for tanks; 19c. per pound for car lots and 19½c. per pound for less car lots. Quotations are on a delivered basis. The call from the plastic and lacquer trade continued moderate.

Dibutyl Phthalate.—Price schedule was revised downward, with a general reduction of 1½c. per pound, making tanks 18c. per pound; car lots, drums, 19c. per pound, and less car lot, drums, 19½c. per pound. Prices are on a delivered basis. The call for plasticizing purposes was quiet.

Tributyl Phosphate.—A reduction of 8c. per pound was reported in the price last week. The new price for less car lots, delivered, was 42c. per pound. Interest in the market continued at a low ebb.

Driers

Manufacturers of stearate driers had not considered the question of prices for the final quarter of the year but from early and unofficial opinions there was not likely to be any change from the present schedule.

Glues and Binders

Casein.—Most sellers leaned toward the higher side of the market's current range of 9½c. to 10c. per pound for carload lots of 20-30 mesh domestic material. The 80-100 mesh was 10c. to 10½c. per pound. The market has not recovered the buying pace of a few weeks back.

Glues.—Sellers have not received much additional attention from the buying trade. Scattered orders have somewhat better proportions but there has been no general improvement and nothing substantial enough to influence prices.

Naval Stores Conservation 1939 Program Outlined

—Continued from page 5

Faces less than 90 inches high:15.0 percent; 10.0 percent; 5.0 percent; 0.0 percent.

(6) All faces discontinued under the above item (five) shall be discontinued by drifts or tracts.

(7) The operator shall remove cups and tins from all faces discontinued under items 1, 4 and 5, provided that this shall not be applicable where faces are discontinued by drifts or tracts when such drifts or tracts remain under the operator's control throughout 1939.

Proposed Bases for Payment

(8) Proposed payment for discontinuance of work on faces less than 90 inches in height at the beginning of the 1939 season, and such faces taken out of operation and qualifying for payment for the first time under the 1938 program and kept out of operation in 1939—5 cents per face for faces in excess of the number of virgin faces worked; provided that such payment shall not be made on a number of faces in excess of 40 percent of the number of faces operated in 1938 or participating in the 1938 program; and provided further, that such payment shall be restricted to discontinued faces of which the operator retains ownership, lease or other control throughout the period of the 1939 program. (In case of a new participant, this means that payment is proposed not only for discontinuance of working faces under item 5 (b) but also discontinuance of faces or trees less than 9.0 inches, and of one of two or more faces on trees 9.0 to 14.0 inches d.b.h., provided such faces are less than 90 inches in height at the beginning of the 1939 season.)

(a) Proposed payment for faces in operation—½ cent per face for faces operated continuously during the 1938 turpentine season in accordance with the terms of the program; provided that such payment shall not be made for (1) new (virgin) faces (front or back) and (2) such faces over 90 inches in height at the beginning of the season as may be operated under the provisions of item 5 (a).

(b) Payments will be reduced in accordance with item 3.

(c) Payments will be reduced by a proration of administrative expenses.

(9) Seasonal maximum height of working to be 18 inches.

(10) Other standards such as requirements on fire protection, barkbar, and minimum number of streaks to be similar to those in 1938 program.

(11) In the event of a loan program during 1939, which now seems highly probable, loans will be made available only to producers participating in the 1939 program.

Trade Briefs

W. F. Leary, in charge of the wax department of William M. Allison & Co., this city, returned from a vacation trip by auto through the New England States.

C. F. Garesche, president of the Titanium Pigment Corporation, and D. W. Robertson, vice-president, sailed on the S.S. Deutschland September 8 for a six weeks' trip to England and the Continent.

St. Louis Paint, Varnish and Lacquer Association will hold its Fall outing and meeting September 13 at the Meyer Country Home, Fenton, Missouri. A "barbecue" will be the highlight of the outing.

Examiner C. M. Bardwell has submitted a report to the Interstate Commerce Commission approving in part lower freight rates proposed for naval stores from interior Misissippi points to Gulf ports to meet truck competition.

Barber Asphalt Corporation has asked the Interstate Commerce Commission for authority to abandon a subsidiary, the Uintah Railway Company, which is a narrow-gauge line running 68 miles from Mack, Colo., to Watson, Utah, including two short branch lines.

A. L. Horstmeyer, head of the housing division of the Paraffine Companies, San Francisco, discussed the sociologic, architectural, structural, and economic phases of the housing program in an address, August 19, to the Golden Gate Paint, Varnish and Lacquer Association.

Mineral Pigments Corporation, Muirkirk, Md., has taken over the entire assets and good-will of E. M. & F. Waldo, Inc., and is continuing its operations under the same technical and manufacturing personnel. The company plans to increase its operations at Muirkirk to include all phases of manufacturing of dry mineral and chemical pigments.

Dust determination by the impinger method in atmospheres containing pneumoconiosis-producing particulate matter is technically discussed by Carleton E. Brown and H. H. Schrenk in a bulletin (Information Circular 7026) published by the Bureau of Mines, United States Department of the Interior. Copies of the bulletin may be obtained free from the bureau, Washington.

J. A. Means, jr., vice-president of the Peaslee-Gaulbert Corporation, Louisville, was one of a number of local business men recently quoted by the *Times*, of that city, in comment on business conditions. Mr. Means expressed the view that several influences, especially the fact that business men were talking about better business, were encouraging buying with much more confidence than had existed for some time.

WHEELING
Scores Again!

Note the Simplified Design!

Only 2 pieces snapped on in a jiffy to form a tamper-proof, flat-top, nestable pail.

WITH THE *NEW*
"SEAL-TITE" RING CLOSURE

Emphasizing once again its leadership in steel containers, Wheeling presents an entirely new type of lever closure. The "Seal-Tite" Ring Closure offers among many outstanding advantages: great convenience in opening and closing; modern, stream-lined design that becomes an integral part of the package without detracting from the lithographed decoration on it; flat top, free from obstructions—permits nesting and the use of covers with pouring equipment; and 100% tamper-proof construction that passes all tests required for ICC-6D-80 specifications. Ask about this and other Wheeling closures, available on Wheeling Steel Containers, from 1 to 70 gallons capacity.

NEW YORK CHICAGO BUFFALO ST. LOUIS PHILADELPHIA BALTIMORE
WHEELING CORRUGATING COMPANY
STEEL CONTAINER DIVISION
WHEELING, WEST VIRGINIA
CINCINNATI ATLANTA BOSTON MINNEAPOLIS COLUMBUS CLEVELAND DETROIT

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-tenth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

8-Aminoquinolin

Dye

Starting point in making—
- Orange colors for wool with metanilic acid (Brit. 417489)
- Red colors with naphthionic acid (Brit. 417489)
- Other synthetic dyestuffs

Behenic Acid Chloride

Chemical

Starting point (Brit. 453778) in making—
- Emulsifying agents by sulphonating products of its reaction with benzene, toluene, xylene, diphenyl, phenanthrene, naphthalene, or tetrahydronaphthalene

Lubricant

Starting point (Brit. 453778) in making—
- Lubricants with benzene, toluene, xylene, diphenyl, phenanthrene, naphthalene, or tetrahydronaphthalene

2-N-Butylthiolquinolin Methiodide

Dye

Process material (Brit. 454687) in making—
- Cyanin dyes

4-Chlororesorcinol Normal Dodecylether

Disinfectant

Germicide (U.S. 2036827)

Decyl Dichlorostearate

Lubricant

Addition agent (Brit. 459719 and 422956) in—
- Hydrocarbon lubricating oils

As a lubricant (Brit. 459719 and 422956)

4:4'-Dihydroxy-3:3'-Dimethylbenzophenone

Resins

Starting point (Brit. 417519 and 376839) in making—
- Synthetic resins by condensing formaldehyde or other aldehydes in the presence of an inorganic acid

Diphenylolethane

Fats and Oils

Rancidity inhibitor (Brit. 440364) for—
- Fats and oils having an iodine number below 135

Ethylbenzenesulphonic Acid Anilide

Dye

Starting point (Brit. 447646) in making—
- Diazotisable organic selenium compounds

2-Methoxy-3-aminobenzanthrone

Dye

Starting point in making—
- Blue colors with naphthol AS (Brit. 417197 and 417198)
- Grey colors with 7-hydroxyalphanaphthacarbazol 8-carboxylic-5-methoxyorthotoluidide

Synthetic dyestuffs

Paracresol Acetate

Perfume

As a perfume material

Phenol

(Acide Carbolique, Acide Phenique, Acido Carbolico, Acido Fenico, Acidum Carbolicum, Acidum Phenicum, Acidum Phenylicum, Benzenol, Benzophenol, Carbolic Acid, Fenol, Fenolo, Hydrate de Phenyle, Hydrated Oxide of Phenyl, Hydroxybenzene, Karbolsaure, Phenic Acid, Phenic Alcohol, Phenolum, Phenyl Hydrate, Phenylalkahol, Phenylic Acid, Phenylic Alcohol, Phenylicum, Phenylsaure)

Abrasives

Process material in making—
- Binders for abrasives (U.S. 1468960)
- Waterproof abrasive belts, discs, papers, wheels (U.S. 1484759)

Adhesives

Preservative in—
- Mucilages and pastes

Process material in making—
- Adhesives

Analytical

Reagent in—
- Processes involving control and research in industry

Animal Husbandry

General disinfectant

Ingredient (U.S. 1498639) of—
- Cattle dips
- Sheep dips

Automotive

Process material (U.S. 1418607 and 1429267) in making—
- Brake linings

Aviation

Fireproofing agent (U.S. 1309581) for—
- Airplane dopes

Ingredient (U.S. 1389084) of—
- Airplane fabric mending composition

Brewing

Cleanser and disinfectant for—
- Equipment
- Plant generally

Building Construction

Ingredient (U.S. 1340855) of—
- Roofing compositions
- Road-paving compositions

Cellulose Products

Ingredient of—
- Cellulose acetate solvent mixtures
- Nitrocellulose solvent mixtures
- Waterproofings (with formaldehyde) for rayon

Plasticizer for—
- Cellulose acetate
- Nitrocellulose

Process material (U.S. 1509035) in making—
- Colloidal suspensions of cellulose

Solvent for—
- Cellulose butyrate
- Cellulose esters and ethers
- Ethylcellulose

Chemical

Dispersing agent (U.S. 1395729) for—
- Proteins

Process material in making—
- Acetic anhydride (U.S. 1326040)
- Acetyl chloride (U.S. 1326040)
- Benzene (U.S. 1430585)
- Benzoyl chloride (U.S. 1326040)
- Betabeta-bis-(4-hydroxyphenyl) ethylamine (U.S. 1432291)
- 2:2-Bis(hydroxyphenyl)propane (U.S. 1225750)
- Butyric anhydride (U.S. 1326040)
- Cresyl phosphates (U.S. 1425392)
- Cresyldiphenyl phosphate (U.S. 1462306)
- Diphenyltolyl phosphate (U.S. 1425392)
- 2-Hydroxy-3-naphthoic acid (U.S. 1470039)
- Organic anhydrides (U.S. 1326040)
- Parahydroxybenzyl alcohol (U.S. 1317276)
- Phenolcholeic acid (U.S. 1252212)
- Pyrocatechol (U.S. 1488278)
- Quinazarin (U.S. 1465689)

Purifying agent for—
- Anthracene (U.S. 1326515)
- Anthraquinone (U.S. 1461745)

Reagent in making—
- Organic and inorganic chemicals

Solvent for—
- Anthracene
- Carbazole
- Other chemicals

Solvent-recovering agent (U.S. 1315700, 1315701, and 1439128) for—
- Acetone
- Amyl acetate
- Amyl alcohol
- Benzene
- Carbon bisulphide
- Carbon tetrachloride
- Chloroform
- Ether
- Ethyl acetate
- Ethyl alcohol
- Ethylene dichloride
- Ethylene perchloride
- Ethylene trichloride
- Methanol
- Pentachloroethane
- Petroleum ether

Starting point in making—
- Bromophenols
- Chlorophenols
- Cyclohexanol
- Esters, such as phenyl acetate
- Ethers, such as anisole (methyl ether), phenetole (ethylether), diphenyl oxide
- Intermediate compounds used in the manufacture of many synthetic chemicals
- Iodophenols
- Nitrophenols
- Para-aminophenol
- Phenates (phenoxides)
- Phenolphthalein
- Phenolsulphonic acids
- Salicylic acid
- Thio compounds
- Triphenyl phosphates

Starting point in making synthetic tannins with—
- Cresol, oleum, soda, and formaldehyde (Brit. 425527, 416191, and 375160)
- Formaldehyde, urea compounds, alkylene oxides, alkylene halohydrins, and sulphonating agents (Brit. 447417)
- Sulphuric acid and formaldehyde
- Sulphuric acid and sulphites

Cosmetic

Starting point (Brit. 427147) in making—
- Disinfectants for cosmetic preparations and skin creams with the aid of the acid chlorides of capric, lauric, myristic, and palmitic acids

Dentistry

Antiseptic
Bactericide
Disinfectant
Germicide

Disinfectant

Antiseptic
Bactericide
Disinfectant
Germicide

Ingredient of—
- Germicidal and disinfectant preparations

Standard for comparison of disinfectant power

Distilling

Cleanser and disinfectant for—
- Equipment
- Plant generally

Dye

Starting point in making—
- Intermediate chemicals
- Synthetic dyestuffs

Electrical

Agent (Brit. 406586) for—
- Removing sludge coatings on surfaces in oil-filled electric transformers

Explosives and Matches

Starting point in making—
- Nitrophenols, such as picric acid (trinitrophenol)
- Pyrotechnics (U.S. 1500844)

Fats, Oils, and Waxes

Solvent (U.S. 1277904) for—
- Ceresin

Firefighting

Ingredient of—
- Carbon tetrachloride fire-extinguisher (U.S. 1243149)
- Fireproofing paint (U.S. 1269980)

Food

Cleanser and disinfectant for—
- Equipment
- Plant generally

Gas

Impregnating agent (U.S. 1396613) for—
- Gas-purifying sponge

Glue and Gelatin

Disinfectant for—
- Gluestocks

Hydrolyzing agent (U.S. 1323951) for—
- Gelatin
- Glue

Preservative

Gum

Starting point (U.S. 1448556) in making—
- Synthetic gums with acetone

Ink

Ingredient of—
- Check-writing inks (U.S. 1514222)
- Document-printing inks (U.S. 1514222)
- Lithographic inks (U.S. 1406837)
- Marking inks (U.S. 1420289)
- Mimeograph inks
- Printing inks (U.S. 1420289)
- Safety inks (U.S. 1439658)

Insecticide and Fungicide

Exterminant for—
- Ants
- Termites
- Moths

Fungicide
Insecticide

Leather

Disinfectant for—
- Hides and skins

Mechanical

Ingredient of—
- Diesel engine fuel (U.S. 1340855)
- Reagents for removing carbon from internal-combustion engines (U.S. 1368965)

Metallurgical

Detinning agent (U.S. 1379237)

Ingredient of—
- Electrolytes for tinplating (U.S. 1426678)
- Pickling solutions for iron and steel (U.S. 1493205)

Mining

Flotation agent (U.S. 1438436, 1457708, 1317945)

Miscellaneous

Cleanser, deodorant, disinfectant, germicide for—
- Factory purposes
- Household purposes

Desizing agent (U.S. 1421613) for—
- Chinagrass
- Ramie

Impregnating agent for—
- Bags (U.S. 1367177)
- Barrel linings (U.S. 1323528)

Medicating agent (U.S. 1409364) for—
- Atmospheres

Preservative (U.S. 1421613 and 1460736) for—
- Enzyme extracts

Reagent in—
- Solvent-recovery processes

Starting point (Brit. 427147) in making—
- Disinfectants for floor and other wax polishes with the aid of the acid chlorides of capric, lauric, myristic, and palmitic acids

Optical

Process material (U.S. 1386046) in making—
- Cements for lenses

Paint and Varnish

Disinfectant and germicide in—
- Special paints and varnishes

Ingredient of—
- Antifouling paints
- Varnishes
- Dopes
- Wood-impregnating agents
- Lacquers
- Paints
- Paint and varnish removers

Perfume

Starting point in making—
- Aromatic esters and ethers

Petroleum

Refining agent in processing of—
- Lubricating oils

(To be continued)

Methacrylate Resins Explained to A.C.S.

Methacrylate resins—the polymeric methyl, ethyl, propyl, butyl, and isobutyl esters of methacrylic acid—are water-clear, thermoplastic materials of established commercial value, said D. E. Strain, R. G. Kennelly, and H. R. Dittmar, of E. I. duPont de Nemours & Co., in a paper presented September 7 to the division of paint and varnish chemistry of the American Chemical Society at the Milwaukee meeting. Polymeric methyl methacrylate (the base of "Lucite" plastic) is a hard, rigid resin of high tensile strength, which softens above the boiling point of water. As the molecular weight of the alcohol increases, the polymers become softer and more plastic. Film-forming and adhesive properties, as well as solubility and compatibility, also change markedly along the series from the methyl ester to the higher esters.

In further description of methacrylate resins and explanation of their industrial usefulness, the duPont chemists said:—

The methacrylic ester polymers form a series of water-white resins of unsurpassed clarity and stability. They transmit a high proportion of visible light and are superior to glass in the transmission of ultraviolet light. They are color stable on exposure to light and have excellent ageing properties. They are not discolored by heating and are extremely stable to decomposition by heat at temperatures below 200° C. However, they can be depolymerized at temperatures of approximately 350° C.

The methacrylate resins are unaffected by water and are surprisingly resistant to aqueous solutions of inorganic reagents. At 50° C., 60-percent sulphuric acid, 25-percent hydrochloric acid, 60-percent phosphoric acid, aqua ammonia, and 20-percent sodium hydroxide are substantially without effect.

The methacrylate resins possess excellent film-forming and adhesive properties and because of their wide compatibility with solvents, plasticizers, and resinous materials readily enter into more complex formulations.

The higher methacrylate resins can be dissolved readily in molten waxes, such as paraffin, beeswax, and carnauba wax, to produce solutions which, on cooling, form toughened, rigid or flexible masses. The higher-softening methacrylate resins form harder, more rigid wax blends while the softer, more pliable methacrylates in general form pliable, elastic blends.

Toughened melts are extremely fluid in the molten state and are suitable for coating purposes by roller coating, immersion, and spreading methods. Paper coated from these melts is far superior to paraffin-coated paper in water- and oil-resistance, especially after folding, and gives much stronger bonds on heat-sealing.

Emulsions of these wax-methacrylate compositions can be prepared readily. This enables coating to be carried out by spraying, brushing, or dipping at normal temperatures. Films flowed from emulsions are characterized by the same toughness and flexibility as films deposited from melt.

The properties of the methacrylic ester resins, especially the higher esters, render them suitable for general industrial uses as coating materials and as thermoplastic (heat-softening) adhesives applied from solvents. The films are fast-drying, water-white, non-yellowing, tough, and durable, and adhere well to most surfaces. This series of resins affords a wide gradation in physical properties, and due to the ready compatibility of the methacrylate resins with plasticizers and other resinous materials, an exceedingly wide range of thermoplastic products is made available. When it is desirable to avoid the use of solvents in coating, adhesive, or impregnating compositions, the methacrylate resins can be applied as hot melts, which lend themselves to high-speed operations, and emulsions, which take their final form through the evaporation of water.

Pinchin Johnson & Co. Starts Retirement Pension Plan

London, Sept. 8, 1938.

A pension plan for more than 1,000 staff employes of Pinchin Johnson & Co., British paint combine, and its English and Scottish subsidiaries, is to be operated by the Eagle Star Insurance Company. The combine already has a group life insurance plan which has been in operation for fourteen years.

The employes' contributions will be applied towards part of the cost of the pension in respect of future service and the company will pay the balance of that cost and, in addition, the entire cost of the past service pensions. Although the normal retiring age is fixed at sixty-five for men and sixty for women, the company has arranged to continue the group insurance until seventy for those who retire on pension. There is also a guarantee that the pension will be paid for at least five years.

Plastic, Coldwater Paint Calcimine Sales Off

Sales of plastic and cold-water paints and calcimines reported by fifty-three manufacturers to the Bureau of Census for July, 1938, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste, casein-bound	124,646	$13,771
All other	38,081	3,410
Dry, casein-bound	255,497	18,831
glue-bound	139,905	6,609
Totals	558,129	$42,621

Cold-Water Paints

	Pounds.	Value.
Exterior, lime or cement-bound	775,204	$55,050
casein-bound	301,428	15,811
Interior, casein-bound, paste or semi-paste form	182,566*	224,630
dry powder form	897,743	67,803
glue-bound	334,596	8,964
Totals	.....	$372,258

* Gallons.

Calcimines

	Pounds.	Value.
Hot water	2,340,265	$91,316
Cold water	2,584,037	121,528
Totals	4,924,302	$212,844

Sales of these products for the first seven months of the year compared with those in the corresponding period of 1937 were as follows:—

	1938.	1937.
Plastic paints.....lbs.	3,763,983	4,208,256
value.	$285,717	$319,412
Cold-water paints....value.	$2,755,686	$1,957,925
Calcimines .....lbs.	44,548,410	53,584,377
value.	$1,860,772	$2,274,335

Rich Joins Hays-Taylor, Inc.

Carter B. Rich has been appointed vice-president in charge of sales for Hays-Taylor, Inc., manufacturer of paint and varnish, Tonawanda, N. Y. The appointment was made effective September 1. Mr. Rich was formerly affiliated with the Towns Paint Company, Buffalo, N. Y., for twelve years, having been a vice-president and in charge of production and industrial sales.

Paint Styling Surveys Analyzed by Committee

The technical and fact-finding committee of the Council for Paint Styling held a meeting in the Pennsylvania hotel, this city, August 30 and 31. The committee has received approximately 2,000 separate reports from fifty field cooperators, which gave color surveys of house exteriors in various sections of the country, in addition to the color surveys of model room and model home interiors.

The committee selected a group of reports at random. These particular reports covered investigations in twelve States, and of which 30 percent were residences in Maryland, another 30 percent were divided equally between Montana, New Jersey and New York, while the remaining reports were from Colorado, Kansas, Kentucky, Nevada, Ohio, Pennsylvania, Texas and Washington. The groups analyzed covered homes erected in the past year and indicated that the Colonial type of architecture still ranked highest in popularity, since nearly one-half fell in this classification. One quarter were of the small cottage type, 20 percent were large cottages, and the remainder, 5 percent, were Spanish, French, and modern in type. Some interior decorative reports were also analyzed, but those reviewed were such a very small percentage of the total on hand as to give no clear conception of color trends.

The committee also reviewed the form in which a report of their interesting operations during the past year might be presented at the annual convention of the industry in October. A sub-committee, consisting of George I. Petroe, Miss Lonore Kent, Laurence Kiefer and Burr Price, was appointed to develop one important phase of the report, and Ivor Kenway of the publicity committee was requested to arrange for certain displays which will be used at the Atlantic City meeting.

Frank Jones rendered a report covering the reactions of the executive board of the Contracting Painters and Decorators of America, to the work being done by the Council, and reflected their enthusiasm of the possibilities for styling with paint.

GOING in PLACES

INDUSOIL (Refined Tall Oil)

A blend of refined pine fatty acids with the following standard specifications:

PHYSICAL DATA

Specific Gravity 60°F/60°F 0.96-0.98
Viscosity—Saybolt Universal at 100°F—Seconds. 300-400 at 210°F—Seconds. 50- 70
Flash Point .....350-380°F
Fire Point .....410-430°F
Color—Lovibond using half column yellow — not more than ..... 70 red—not more than 40
Moisture—Less than. 0.1%

CHEMICAL DATA

Acid Number 170-180
Saponification Number 170-185
Rosin Acids Number 60- 67
Ash—Less than 0.1%

ANALYSIS

Fatty Acids 55- 60%
Rosin Acids (Calculated as Abietic) 34- 38%
Sterols—Higher alcohols, etc. 6- 10%

LIQRO (Crude Tall Oil)

A blend of crude pine fatty acids with the following standard specifications:

PHYSICAL DATA

Specific Gravity 60°F/60°F .0.96-0.98
Fire Point.....Not over 45°F
Viscosity — Saybolt Universal at 100°F— Seconds .....800-900 at 210°F— Seconds 110-130
Flash Point ...350-370°F
Fire Point ....410-430°F
Color .....Brown
Moisture—Less than 0.2%

CHEMICAL DATA

Acid Number ..150-160
Saponification Number ...160-170
Rosin Acids Number ... 76- 82
Iodine Number (WIJS) 150-180
Ash—Less than 0.3%

ANALYSIS

Fatty Acids ... 45- 55%
Rosin Acids (Calculated as Abietic) . 40- 45%
Sterols—Higher alcohols, etc. 6—10%

FATTY ACIDS FROM PINE WOOD

INDUSOIL (refined Tall Oil) and LIQRO (crude Tall Oil) are going into more and more plants to replace expensive fats and fatty acids.

These pine fatty acids are extremely low in price and are not subject to ordinary market conditions and price fluctuations. Produced in large quantities at our plants in Covington, Va. and Charleston, S. C., INDUSOIL and LIQRO offer an inexpensive, constant fatty acid supply.

Write to our nearest sales office for further information and let us send you generous samples of INDUSOIL and LIQRO.

INDUSTRIAL CHEMICAL SALES
DIVISION WEST VIRGINIA PULP AND PAPER COMPANY
230 Park Avenue - - - New York
CHICAGO 205 West Wacker Drive
PHILADELPHIA 1322 Widener Building
CLEVELAND 417 Schofield Building

INDUSOIL AND LIQRO

Oils, Fats, and Waxes

September Government Cotton Crop Estimate 11,825,000 Bales —Cottonseed Oil Steadier—Refined Fish Oils Again Reduced Moderately—Chinawood Oil Quiet—Perilla Easier

Quotations on miscellaneous oils, fats and greases still had a downward trend last week. Changes were generally narrow, however, and to some the undertone of the market appeared to be steadier. Reports concerning the volume of business closed for the week were more or less conflicting, but in the main purchases were still limited to comparatively small or moderate quantities for prompt shipment. A development of interest was the publication of the September government estimate of the cotton crop, the indicated yield being 11,825,000 bales.

Chinawood oil was quiet and the tone here continued easy with reports of offerings and sales at below the import cost. Perilla oil was also easier in the absence of any improvement in demand. Olive oil met with a somewhat better inquiry in a jobbing way and the market was steady. Crude corn oil was quiet with reports of offerings at moderate concessions. Coconut oil was steady, quotations being held at previous levels for both crude and refined.

Refined fish oils were easier, quotations again being reduced moderately. Offerings of crude fish oils in primary markets continued to be reported as light. Stearin was steady with reports of a somewhat better inquiry. Cash lard was irregular in the local market, changes in prices being moderate. Tallow was reported as fairly active, although transactions apparently did not involve important individual lots.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Japan wax, ¼c. per lb.
Lard, 5c. to 25c. per 100 lbs.
Lard oil, prime inedible, ¼c. per lb.

Reduced

Corn oil, crude, ¼c. per lb.
Cottonseed oil, crude, ¼c. per lb.
Cottonseed oil, edible, ¼c. per lb.
Lard oil, prime burning, ¼c. per lb.
Menhaden oil, refined, 2-10c. per lb.
Oleo oil, ¼c. per lb.
Palm oil, ⅛c. to ¼c. per lb.
Perilla oil, ¼c. per lb.
Sardine oil, refined, 2-10c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.8	**102.6**	**107.6**	**131.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—Quiet conditions continued to prevail in the local market much of the time last week. There was nothing stimulating in the way of market developments abroad, where shippers were still apparently not in a position to offer very freely, such offers as were received, it was stated, being above a parity with prices prevailing in this market. There were reports of occasional sales at 12½c. per pound in tanks and it was said to be possible to purchase at a point or two under that figure on a bid. Some importers held higher views as to values, however, and were not seeking new business, preferring to hold off for further developments.

Coconut.—A steady tone continued to prevail in the local market for crude oil, quotations being maintained at former levels. There was apparently no broadening of trade. Occasional inquiries were received but such transactions as were reported were limited to comparatively small quantities to fill the current or nearby requirements of consumers. No material change was reported in the position of copra or oil abroad. Refined oil was steady with a fair inquiry for small or moderate quantities.

Corn.—Crude oil was easier, the tone of the market here being influenced by recent developments in other oils and fats. Quotations were shaded ¼c. Offerings continued to be reported as light and the market was quiet. Refined oil was in fair demand and steady.

Cottonseed.—Edible oil was easier, quotations being reduced ¼c. per pound by refiners. There were reports of a fair inquiry from local and other consumers.

Oiticica.—The market had a steady tone in the absence of any material change in the position of chinawood oil. Offerings were light. There were reports of a fair inquiry.

Palm.—An easier tone developed, quotations being shaded ⅛c. to ¼c. per pound. There was a fair inquiry, but consumers showed little disposition to purchase ahead.

Perilla.—Spot oil was easier owing to a lack of demand of importance. There were offerings on spot at 9.6c. per pound in tank cars.

Rapeseed.—Demand was quiet but there was increase in offerings on spot or for shipment and the market had a steady tone, quotations being held at previous levels.

Soybean.—The market was quiet so far as new business was concerned, though consumption is said to have increased to some extent recently. The market was steady, previous quotations being repeated.

Teaseed.—There were reports of a somewhat better inquiry though purchases were apparently limited to comparatively small or moderate quantities. The market retained a steady tone.

Markets at Other Centers

Chicago, Sept. 9.—Values in the general vegetable oil market have tended to ease off and the price structure as a whole is lower. Buyers are not inclined to make extensive purchases at this time.

COCONUT. — Coast basis, September-forward, 2¾c. to 2⅞c. per pound. Refined, edible oil, 9c. to 9¼c. per pound, barrels, car lots; and 9¼c. to 9½c., barrels, less than car lots.

CORN.—Crude, low acid, 7c. to 7¼c. per pound, partly nominal. Refined, edible oil, 9¾c. to 10¼c., barrels, car lots; and 10¼c. to 10½c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 13.8c. to 13.9c. per pound, prompt, and 12.6c. to 12.7c., deferred.

SOYBEAN.—Crude, mills, 5c. to 5⅛c. per pound.

PEANUT.—Crude, 7½c. to 7⅝c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet and the trend of prices was downward at times in company with grain. Crop news was still mainly of a favorable character and this had a tendency to create bearish sentiment although there was not much disposition among traders to sell aggressively for the decline. The inquiry for cash beans was slow throughout the week. Receipts were moderate. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Sept. 9.	Closing Sept. 2.
December ...	$0.77¼	$0.75⅛	$0.76¼	$0.77½
May	.78½	.76	.77½	.78½

San Francisco, Sept. 6.—Demand for vegetable oils slack here and some prices continue to ease. Ruling prices are:—

COCONUT. — Crude oil unchanged. sellers quoting on the basis of 2¾c. to 2⅞c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Business was said to have been done at 2¾c.

CHINAWOOD. — Quiet. Quoted 12¼c. per pound in tankcars, f.o.b. Pacific Coast ports.

BABASSU.—Quoted 5¾c. per pound in tankcars, f.o.b. mills, Pacific Coast.

PERILLA.—Light demand. Sellers quoting 9½c. per pound in tankcars for prompt or deferred shipment, f.o.b. San Francisco.

TEASEED.—High acid content teaseed oil is quoted on the basis of 5.60c. per pound in tankcars, f.o.b. Pacific Coast ports, with standard acid content material reported sold out of the market for the season.

COPRA.—Mild purchasing was noted in the copra market here last week, which in the end turned out to be a quiet affair generally. Prices underwent no important change, the level hanging closely in the neighborhood of 1.80c. to 1.825c. per pound, c.i.f. Pacific Coast ports. Only a casual interest is reported at primary sources from European buyers.

Linseed Oil

Flaxseed had a downward trend at Buenos Aires. Changes in domestic prices were moderate. Linseed oil, cake and meal steady.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

• OILS •
CHINA WOOD OIL
PERILLA OIL
SARDINE OIL
SPOT FUTURE
L. N. JACKSON & CO., Inc.
29 Broadway New York, N.Y.

TRADE ELAINE MARK
The best Oil for Wool, Lubricating and Screw Cutting Compounds, etc.
STEARIC ACID
Single, Double and Triple Pressed—Cakes and Powdered and Flakes
Established 1840
EMERY INDUSTRIES, Inc.
Formerly THE EMERY CANDLE CO.
CINCINNATI, OHIO
New York Office, 2116 Woolworth Bldg.
Telephone Cortlandt 7-1742-9377

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *{distilled}*
STAR BRAND *{saponified}*
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

W.C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
FATTY ACIDS
Cottonseed Oil Coconut Oil Palm Oil
Corn Oil Lauric Specialty
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

DEPENDABLE FATTY ACIDS
Woburn Fatty Acids are the logical result of high-grade raw materials modern equipment, strict factory control and constant research.
DISTOLINE (vegetable oleic acid)
OLIVINE (olive oil replacement)
COTTONSEED OIL FATTY ACIDS
COCOANUT OIL FATTY ACIDS
ISOLINE FATTY ACIDS
ISOLINE DRYING OIL
LINSEED OIL FATTY ACIDS
PALM OIL FATTY ACIDS
SOYBEAN OIL FATTY ACIDS
CASTOR OIL FATTY ACIDS
"The Most Suitable Acid for Any Purpose"
WOBURN DEGREASING COMPANY OF N. J.
Chemical Division
HARRISON, NEW JERSEY

Flaxseed—DULUTH, Sept. 9.—Improvement in crusher demand was noted in the spot flaxseed market here this week, with buyers paying better than $1.80 a bushel for cars in some instances. Marketing of the new crop continued in substantial volume, with trade authorities estimating almost 3,000,000 bushels have been forwarded to Duluth and Minneapolis since August 1. Trading has been quiet in the futures market.

The week's closing price range was as follows:—

	Cash.	Sept.	Oct.
Saturday	$1.77½	$1.70½	$1.71¼
Monday	...	...	...
Tuesday	1.74½	1.69	1.68
Wednesday	1.74¼	1.68	1.68
Thursday	1.75	1.68½	1.68½
Friday	1.76½	1.69	1.69

Crop movement in bushels follows:—

	Receipts—		Shipments—	
	1938.	1937.	1938.	1937.
This week..	291,396	23,112	96,962	769
Since Aug. 1...	428,865	77,616	96,962	105,133

MINNEAPOLIS, Sept. 9.—A heavy flow of cash flax to this terminal met with ready demand and except for the watergrass mixture prices held very firm. During the past week the movement came largely from southern Minnesota, where a spell of favorable weather aided harvest operations. It was this seed that showed some deterioration in acceptable quality and sold 1c. lower. For a long period the arrivals showed very nice clean quality, but now the average is lower. Northern seed is coming in more freely from day to day and to date virtually all of it has shown good quality.

Diversion point demand has taken virtually all of the northern seed to date and the buying was done by a cash interest. Crushers are still building up local stocks, but will probably become competitive in the diversion point market a little later. Public elevator stocks gained 330,000 bushels in four days compared with a 50,000 gain in the same period a year ago. This will illustrate the volume of movement and the heavy unloadings at elevators. So far there has been no important congestion at elevators. Deliveries on September contracts to date show a total of 114,000 bushels. The seed was delivered by a crusher and taken by a cash interest. Some of it has been carried along since 1935.

A lull in the movement today was due to the Labor Day holiday period and the numerous fairs now being held through the northwest. Because of the fact that farmers are getting vastly more money for flax than for grains they will no doubt continue to market their offers freely. Shipping advices are picking up again. Hedging pressure yesterday and early today suggested good farm deliveries.

The week's closing price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$1.77½	$1.70½	$1.71½
*Monday	...	...	...
Tuesday	1.74½	1.69	1.68
Wednesday	1.74¼	1.69¼	1.68
Thursday	1.75	1.68	1.68
Friday	1.76½	1.69½	1.70

* Holiday.

Crop movement in bushels as follows:—

	Receipts—		Shipments—	
	1938.	1937.	1938.	1937.
This week..	484,540	334,180	15,070	10,660
Since Sept. 1..	1,359,160	754,950	21,660	23,106

WINNIPEG, Sept. 9.—The market for flaxseed futures was quieter with the trend of prices downward at times. The week's closing price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.34	$1.34	$1.33¼
Monday	...	...	...
Tuesday	1.29	1.29	1.28¼
Wednesday	1.28½	1.29	1.27¼
Thursday	1.31⅝	1.32½	1.31¼
Friday	1.35	1.35½	1.34½

BUENOS AIRES, Sept. 9.—Opening prices per bushel on October contracts were:—

	Last week.	Last year.
Saturday	$1.09	*..
Monday	1.05⅝	*..
Tuesday	1.04⅞	$1.32⅞
Wednesday	1.04⅝	1.32⅞
Thursday	1.04⅛	1.34¼
Friday	1.04⅛	1.34¼

* Holiday here.

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States.....	327,000	83,000	354,000
United Kingdom..	.....	4,000	.....
Continent	224,000	394,000	681,000
Orders	.....	260,000	150,000
Others	16,000	.....	209,000
Totals	567,000	741,000	1,394,000

Since January 1

To—	Bushels— This year.	Last year.
United States.....	8,471,000	19,735,000
United Kingdom.....	1,114,000	496,000
Continent	17,645,000	16,421,000
Orders	7,117,000	14,270,000
Others	1,635,000	4,522,000
Totals	35,982,000	55,444,000

Visible Supply

	Bushels.
Last week.....	4,724,000
Previous week.....	4,724,000
Last year.....	4,331,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom..	208,000	144,000	204,000
Continent	.....	100,000	8,000
Others	.....	.....	16,000
Totals	208,000	244,000	228,000

Since April 1—	Bushels— This year.	Last year.
United Kingdom.....	6,284,000	4,272,000
Continent	488,000	224,000
Others	84,000	348,000
Totals	6,856,000	4,844,000

HULL, Sept. 9.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£10⅞	..
Monday	10⅞	..
Tuesday	10⅞	..
Wednesday	10⅝	..
Thursday	10⅝	..
Friday	10⅝	..

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
New York, N. Y.
SPOT FUTURE

THE BRODE CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yopps, Robinsons, Bentleys, A. B. C.5th Edition

ASK WECOLINE *before You Buy*
WHITE DISTILLED
FATTY ACIDS
- COCONUT
- CORN
- SOY BEAN
- LINSEED
- WHITE OLEIN
- LAURIC
- SPECIALTY FATTY ACIDS

Factory: Boonton, N. J.
Sales Offices - - New York City and Chicago
WECOLINE PRODUCTS INC.

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

Linseed Oil.—A steady tone prevailed in the market here for linseed oil. There were reports of a somewhat better inquiry, but purchases were apparently limited to comparatively small or moderate quantities, the downward trend of prices for many other commodities as well as disturbing political developments abroad making consumers and dealers disposed to adhere to a conservative course in making purchases. Quotations ranged from 7.5c. to 7.8c. per pound for oil in tankcars, according to seller. The tone of the markets at some outside points was reported as steadier.

Demand for cash flaxseed in domestic markets continued good and offerings were well absorbed, although receipts were liberal. Cash premiums over futures were maintained. Predictions were heard of some decrease in marketing in the near future as farmers who are in a position to do so were said to be storing supplies for the more renumerative prices which they expect to prevail later in the year.

Reports concerning the crop were still generally favorable with the quality reported as good. An official report on the Argentina crop stated that the condition is generally very good with the acreage believed to be slightly larger than last year. One report from Europe put the probable exportable surplus in Argentina for the new season at 56,600,000 bushels.

Receipts of flaxseed at New York last week were 610,223 bushels.

MINNEAPOLIS, Sept. 9.—Oil trade slackened quite a bit during the past week and currently is only fair at best. Most of the orders concern cooperage car lots and a few call for tankcar lots. Round lots are neglected. The situation remains favorable in that few of the consumers have contracted for requirements beyond the turn of the year and only a moderate number have bespoken sufficient quantities to last the year out.

Operations of the moment represent about 50 percent of capacity. No change was made over the weekend, although there was some talk of putting a few more presses in motion. Reserve stocks are gaining total gradually despite good instructions. Small lot trade is slack on account of less favorable weather.

Quotations on carload lots, f.o.b. Minneapolis, tankcars 7.8c. per pound, cooperage 8.4c. and warehouse lots 8.8c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week.....	1,666,930	1,673,445
Since Sept. 1.....	3,081,576	3,743,761

SAN FRANCISCO, Sept. 6.—There were further bookings of linseed oil to fill out some of the trade's needs for positions between the present and the end of the year during the past week, with business holding up quite well. Quoted:—Tankcars, 8c. per pound; drum car lots ex mill, 8.6c.; drum lots ex warehouse, 9c.

CHICAGO, Sept. 9.—Trade is quiet in linseed oil. The price structure holds its own, the view of sellers being that they are unable to drop their quotations lower at this time. Orders in small quantities continue to come into the market, with prompt shipment asked. Ruling prices are:—Tankcar, 7.8c. per pound; car lots, 8.4c.; less than car lots, 8.8c.

LONDON, Sept. 9.—Quotations on linseed oil were:—

	Per cwt.— s.	d.
Saturday	21	9
Monday	21	9
Tuesday	21	6
Wednesday	21	6
Thursday	21	6
Friday	21	6

Cake and Meal.—No broadening of domestic trade in meal was noted last week, purchasing operations still generally being along conservative lines. There was a fair export inquiry for cake.

MINNEAPOLIS, Sept. 9.—Demand for linseed meal is fairly good and there is better tone displayed by the market. During the week some short covering for September shipment developed and the country trade took hold of deferred shipment offers in better shape. There is a flat price of $34 quoted for current to December shipment and buyers are taking supplies for delivery most any time up to the end of the year. Output continues in excess of out movement so there is some gain in reserves from day to day. Quality to date has been fully up to that of a year ago. Competition of other concentrates is slack.

Quotations on carload lots, f.o.b. Minneapolis, September-December shipment, $34 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week.....	2,477,965	3,981,682
Since Sept. 1.....	4,347,885	8,630,667

CHICAGO, Sept. 9.—The linseed meal market is easy. Feeders are comparing meal prices with competitive feeds and trade is slow. Ruling prices are:—Round lots, $38 per ton, largely nominal; car lots, $38 to $38.50; less than car lots, $40 to $40.50.

Cottonseed Oil

Refined oil futures were irregular, changes in prices generally being moderate. Trading was on a fair scale. Southern markets quiet.

Cottonseed Oil.—Refined oil futures were irregular, changes in prices being moderate with the trend downward early in the week, after which there was a rallying tendency. Fluctuations were largely a reflection of developments in securities and other speculative commodities, these markets being influenced largely by political news from Europe. Trading was on a fair scale though there was not much snap to the dealings, many operators being disinclined to add materially to their commitments on either side of the market in view of the disturbed political situation abroad and the prevailing uncertainty concerning the monthly cottonseed report from the Census Bureau which is due to appear early this week.

A development of not a little interest was the publication of the monthly government estimate of the cotton crop. This appeared on Thursday and put the indicated yield as of September 1 at 11,825,000 bales, or 163,000 less than estimated a month earlier. As these figures were about in line with the expectations of many in the trade the report did not have much effect, although the tone of the market was steadier, some earlier sellers being disposed to cover. The condition of the crop was put at 65 percent against 78 percent in August. The quantity of cotton ginned to September 1 was 1,231,475 bales against 1,871,403 bales in the same time last season.

According to the government the probable loss from boll weevils is now expected to be considerably heavier than last year, but about the same as the average loss during the 10-year period, 1927-36. In Virginia, yields have been reduced more by weevils than in any previous year, and in the Carolinas and Georgia, the loss from these insects will be more than average. In the central portion of the cotton belt, weevil damage is about average, while in Texas and Oklahoma less than average loss is in prospect. All States report heavier weevil damage this year than last. Significant infestation of leaf worms occurred much earlier than usual in the central and western parts of the belt. Both leaf worms and boll worms have been particularly active and damaging in Texas.

Commission houses and local interests liquidated early in the week and there was also more or less selling for short account, partly in expectation of an increase in pressure of hedging operations following an expansion in the movement of seed to the mills. There was not much disposition to take the aggressive on the selling side, however, and later on shorts covered and trade interests bought the Fall and Winter months. Some contend that present prices discount much that is bearish in the situation. Others take the ground that the government cotton crop estimate indicates that in view of the large carryover from last season, supplies of oil will be more than ample for the requirements of consuming industries. Lard compound was steady at the recent decline with some improvement noted in demand. There were also reports of an increased inquiry for cash refined cottonseed oil. Domestic and export trade in lard was reported as more active.

Offerings of crude cottonseed oil were reported as light although an expansion in the movement of seed to the mills was noted. Quotations on seed ranged from $20 per ton upward in wagon lots according to grade and location. Stocks of lard in Chicago increased 272,571 pounds during August as compared with a decrease of 19,259,885 pounds in the same month last year. Supplies in that market at the close of August were 74,784,946 pounds against 86,209,058 pounds a year ago. Exports of lard from Atlantic and Gulf ports from November 1 last to August 27 were 131,995,891 pounds, an increase of 44,715,038 pounds as compared with the same time in the previous season. The weight of the hogs received in Chicago during the week ended September 3 averaged 274 pounds against 288 pounds in the previous week.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from September 6 to September 9, inclusive, comprised 930 contracts, a total of 55,-

(under Grease) are given in the alphabetical list of prices beginning on page 7
Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases

800,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	8.00	7.66	7.78@7.80
March	8.08	7.77	7.86 sale
September	7.79	7.56	7.77 sale
October	7.85	7.63	7.74 sale
December	7.97	7.65	7.78 sale
Crude, Southeast.	.0637½@.0650.		

Chicago, Sept. 9.—The cottonseed oil market has been easing off additionally. Buyers seem not interested and are keeping their participation down to a low level. Good, off-Summer, yellow fig oil is 8c. per pound. Refined, edible oil is 9¾c. to 10c. per pound, barrels, car lots; and 10¼c. to 10½c., barrels, less than car lots.

Hull, Sept. 9.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s. d.	Egyptian crude. Per cwt. s. d.
Saturday	21 0	18 0
Monday	21 0	18 0
Tuesday	21 0	18 0
Wednesday	20 6	17 6
Thursday	20 6	17 6
Friday	20 6	17 6

Cake and Meal.—A steady tone prevailed in Southern markets, changes in quotations on spot material generally being comparatively small. Offerings were still reported as light as a rule, though increased activity was reported at the mills in some sections.

Markets at Other Centers

Atlanta, Sept. 8.—No changes in quotations of cottonseed products is noted during the past week. Crop continues to show some improvement under weather conditions but the toll taken by the boll weevil has made certain that yields will be low in the Southeast. The price at which the government has pegged cotton has made the outlook gloomy to the farmer. Apparently his purpose is to sow small grain on his excess cotton acreage.

Quotations of this market for prime crude oil remains around 6½c. a pound and 8 percent meal around $23.50 with supply scarce.

Memphis, Sept. 9.—Government cotton crop estimate just about as expected and caused no market fluctuations. Crude oil sold today at 6½c., Valley basis. Meal steady at $20.50 per ton for 41 percent, Memphis basis. Slab cake, $18 to $18.50 per ton for 41 percent, Valley basis. Hulls, $2.50 per ton at mill points. Most crop observers in this territory report deterioration since September 1.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	September 1.	September 9.
September	$20.90@—	$20.00@20.50
October	21.10@21.25	20.25@20.35
December	21.50@21.75	20.50@20.70
January	21.75@21.90	20.70@—
March	22.05@22.15	21.25@21.40

Fatty Acids

Capric Acid.—Quotations were maintained at former levels and the situation lacked new features. Occasional inquiries were noted but as in recent preceding weeks, makers of chemical compounds and other consumers were not inclined to anticipate at this period of the year.

Castor Oil.—No broadening of business in this fatty acid was noted last week, makers of toilet preparations being disinclined to purchase ahead to any extent. The inquiry for moderate quantities appeared to be fair, however, and the market retained a steady tone.

Corn Oil.—The market for this fatty acid remained in a firm position, production apparently having been on a comparatively light scale for some time past owing to inadequate supplies of basic material. There was a fair inquiry.

Cottonseed Oil.—This fatty acid met with a somewhat better inquiry from makers of soaps, although consumers were not inclined to provide to any important extent for future needs at this season. Quotations were steady.

Myristic Acid.—Quotations were held at former levels. The market was quiet so far as new business was concerned but the requirements of makers of soaps and cosmetics have been sufficient in recent weeks to absorb the moderate output.

Palm Oil.—Business in this fatty acid lacked snap but there were reports of some improvement in the inquiry for moderate quantities from makers of compounds used in the textile industry. The market was steady, quotations generally being held at former levels.

Stearic Acid.—In the absence of any material change in the position of basic material recently, the market for stearic acid had a steady tone. There was little change in the character of business, consumers being disposed as a rule to limit their purchases to moderate quantities to fill current or nearby requirements.

Tall Oil.—Selling schedules remained stationary and general conditions in the market for this fatty acid were about as noted in the previous week. There was a fair movement to makers of various chemical and oil compounds, though few consumers were disposed to purchase ahead to any important extent at this period.

Markets at Other Centers

Chicago, Sept. 9.—With basic markets in a retreating price trend, the tone of the fatty acids market has been reactionary, and values have tended to be depressed to some extent here. Buyers have been disinclined to place any but routine types of orders.

FATTY ACIDS.—Corn oil, double distilled, 7¾c. to 8c. per pound, tankcar; 8¼c. to 8½c., barrels, car lots; 8¾c. to 9c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. per pound, tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7¼c. to 7½c., tankcar; 7¾c. to 8c., barrels, car lots; 8¼c. to 8½c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 3¾c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1½c.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

Fish Oils

Cod.—The market was steady with reports of an increased inquiry. Importations during July were 190,001 gallons from Norway and 64,323 gallons from Newfoundland and Labrador.

Menhaden. — Refined oil was easier, quotations being reduced 2/10c. per pound. New business was quiet but there were reports of some increase into local and outside consuming channels on contracts previously placed. Crude was quiet. Offerings remained light as production was being applied on sales made earlier in the year.

Sardine. — Refined oil was reduced 2/10c. per pound, the market apparently being steady at the lower level. There were reports of a fair inquiry for moderate lots for prompt shipment. Crude was steady on the Pacific Coast.

Sperm.—Refined oil was steady, quotations being held at previous levels. There was a fair movement to local and other consumers.

Markets at Other Centers

Baltimore, Sept. 7.—The menhaden fishing down the lower bay and outside of the Virginia capes became a little more productive during the last week and the fish caught were of a sort to yield more oil. At the same time, the weather turned cooler, and since the fish seem to show a preference for warm currents, the outside schools may move somewhat farther offshore. At any rate, the additions made to the stocks of oil did not assume proportions that would have prompted the fishing companies to make special efforts to book additional orders for oil in view of the uncertainty as to whether the commitments already entered into can be filled. No new transactions were reported, and marked quiet prevailed. From the West Coast came the information that sales of oil had been made there at 28c. per gallon, which equals 34c. at Baltimore, with the addition of the freight. Buyers were not inclined to pay more than 27c., and business there also lagged. Since the orders in hand take up all of the oil so far produced, and more, the producers manifest no eagerness to cast about for additional business, while the potential buyers are not inclined to bid up the market, on the chance that at least some of the factories will be tempted to take up the lower bids.

San Francisco, Sept. 6.—Fish oils ran into a stalemate of marketing operations last week when buyers and sellers stood adamantly on their individual ideas of price and the period finished up quietly with a spread of two cents separating the two factions. Prospects of business loom dull for the present, with producers declaring they are down to bed rock operating costs at the figure at which they are offering—28 cents—against the bids of 26 cents which the larger consumers are understood to have left standing in the market. Smaller buyers are spasmodically placing bids of 27½c. in the market and in one or two cases last week sales were reported on sellers' own terms of 28 cents, but the action is slow and sellers are standing firm. The fact remains that the 28-cent level is too high to interest the big soapers at this time, although there has been quite a quantity of oil moved at this figure and even higher. Some 500 tanks of California oil alone have been written into contract, with partial deliveries already made out of August production.

Although San Francisco Bay production amounted to practically nil during August in view of the late start here, Monterey Bay activity accounted for 23,528 tons of fish, according to a report from Monterey today. This was the largest August on record. The report did not include the yield of oil, although this normally runs in the neighborhood of 40 gallons to the ton. Most of this tonnage went directly into oil and meal reduction.

Oregon and Washington operations were against reported as poor last week, although it was indicated that there was a slight betterment in the latter state.

Fats and Greases

Grease.—A steady tone ruled in the local spot market. There was apparently no broadening of trade, buying interest being limited to comparatively small or moderate quantities.

Lard.—Cash prices were irregular in company with futures, the tone here being easier early in the week with a rallying tendency later on. Domestic trade continued along conservative lines. There was a fair export movement.

Stearin.—There were reports of a somewhat better inquiry. Offerings were generally light and the market retained a steady tone.

Tallow.—The spot market was fairly active in a jobbing way. Large consumers were disposed to hold off for further developments but in some quarters an increase was noted in the volume of inquiries for moderate quantities. The situation in the West was reported as steady with trade on a fair scale. The tone here was steady, the last transactions reported being on the basis of 5¼c. for extra, f.o.b.

Trading in tallow futures on the New York Produce Exchange from September 6 to September 9, inclusive, comprised 3 contracts, a total of 180,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
October	5.36	5.35	5.25@5.40
December	...	...	5.38@5.52

Markets at Other Centers

Chicago, Sept. 9.—The cash lard trade has been slack, with tone and prices somewhat soft.

The range of lard quotations from the opening Saturday, September 3, to the close Friday, September 9, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$7.65	$7.70	$7.47	*$7.70	$7.67
October	7.67	7.77	7.52	7.62	7.70
December	7.90	7.92	7.70	7.82	7.87

TALLOWS (tierces).—Edible, 6c. to 6¼c. per pound; prime, 5⅜c. to 5⅝c.; fancy, 5½c. to 5¾c.; special, 5⅛c. to 5⅜c.; No. 1, 4⅞c. to 5⅛c.

GREASES (tierces).—Choice white, 5⅜c. to 5½c. per pound; A white, 5⅛c. to 5¼c.; B white, 5c. to 5¼c.; yellow, 10-16, 4⅞c. to 5c.; yellow, 16-20, 4¾c. to 4⅞c.; brown, 4⅜c. to 4⅝c.

STEARINS (barrels).—Prime oleo, 7¼c. to 7½c. per pound; lard, packages, 8¼c. to 8½c.; A white grease, 5¼c. to 5⅜c.; yellow grease, 4⅞c. to 5c.; extra oleo stocks, 8¾c. to 9c.; No. 2 stocks, 8½c. to 8¾c.

Liverpool, Sept. 9.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s. d.	Oct. s. d.	Jan. s. d.	May. s. d.
Saturday	45 9	42 0	43 0	43 6
Monday	46 0	42 3	43 3	43 6
Tuesday	46 0	42 3	43 3	.. ..
Wednesday	46 0	42 3	43 6	43 6
Thursday	46 0	42 0	43 3	.. ..
Friday	46 3	42 3	43 6	43 6

Liverpool, Sept. 9.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
Saturday	20 0	18 0
Monday	20 0	18 0
Tuesday	20 0	18 0
Wednesday	20 0	18 0
Thursday	20 0	18 0
Friday	20 0	18 0

Animal Oils

Lard.—Prime burning oil was reduced ¼c. and prime inedible advanced ¼c. Other grades were held at previous levels and the tone of the market appeared to be steady. Purchasing continued along conservative lines, the call for moderate quantities being fair.

Neatsfoot.—Quotations were stationary and the tone of the market appeared to be steady. There was a fair inquiry though consumers showed little disposition to purchase in advance of current needs.

Oleo. — No material broadening of trade was noted but there were reports of a somewhat better inquiry for moderate quantities for prompt shipment.

Tallow. — The market was steady. There was a fair inquiry for moderate lots.

Markets at Other Centers

Chicago, Sept. 9.—Purchases of animal oils have been restricted to what apparently are the bare, actual needs of buyers. Values are little changed.

LARD.—No. 1, 8¼c. to 8½c. per pound.

OLEO.—No. 2, 8¾c. to 9c.

TALLOW.—Acidless, 7½c. to 7¾c. per pound, tanks; and 8½c. to 8¾c., drums.

Waxes

Bees.—The market on crude wax was very slow. Low rates of exchange have made it almost impossible for local sellers to raise prices and the availability of primary market goods at favorable prices has not encouraged consumers to do much buying of future requirements; they apparently felt that still lower prices might develop. Local values lacked change.

Candelilla.—Local quotations were steady and, on the whole, favorable when compared with the cost to replace spot stocks through primary market purchases. Stocks in this market were taking care of current demand with little difficulty.

Carnauba.—Reports concerning business done in August were, on the whole, favorable as to volume booked and prices received. Furthermore, the first week in September opened up very well and the interest of buyers was maintained. Prices on spot were exceptionally steady, while those in Brazil were distinctly firm and well controlled by the combine of shippers who have combined their respective interests with a view to exercising greater control over the sale of production.

Japan.—The market was up a fraction higher to the basis of 10½c. to 11c. per pound and some quarters refused orders at less than the outside figure. The market was very firm on the spot and fully reflected the strength prevalent in Japan over the past several weeks.

Indo-American Trade Group Plans Luncheon

Plans are being laid by the Indo-American Association of Commerce, 225 Fifth avenue, this city, for a luncheon about October 1, with the purpose of introducing the newly appointed Indian trade commissioner in the United States, Hardit Singh Malik. Invitations are being sent to members of the shellac, botanical, and other trades which handle Indian products.

Endeavors are being made to expand the membership of the association, a division of the India League of America, the aims of which are to foster trade between India and the United States by means of information service and the development of contacts. Membership is offered for the remainder of this year for a fee of $2.50. Members are supplied with a directory of American concerns interested in Indian products and Indian concerns interested in American products.

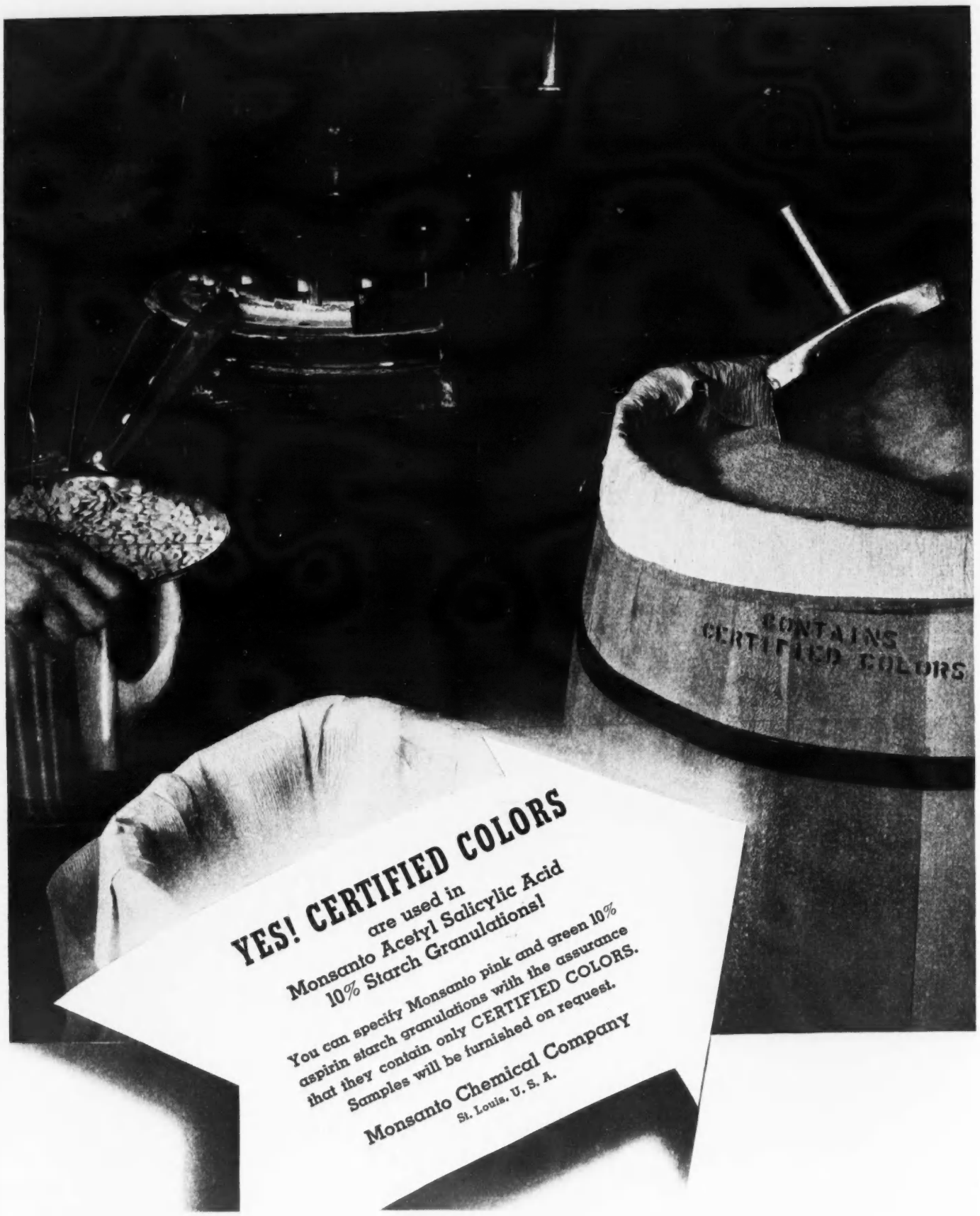
Mr. Malik, who recently arrived in this country, is a golf enthusiast. He enrolled for the national amateur tournament a few weeks ago but fell short of success in the qualifying round.

Carbide, acetylene, oxy-acetylene welding and allied industries' thirteenth international congress will be held in Munich, Germany, from June 25 to July 1, 1939. Official inquiries should be directed to office of the congress in Berlin-Friedenau, Bennigsenstrasse 25, Berlin, Germany.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E10 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

KOSTER KEUNEN BEESWAX
IMPORT Established 1931 EXPORT
Inspect our sunbleachery and our stock of over half a million pounds
SAYVILLE, N. Y.—about 50 miles from New York City


CONTAINS
CERTIFIED COLORS
YES! CERTIFIED COLORS
are used in
Monsanto Acetyl Salicylic Acid
10% Starch Granulations!
You can specify Monsanto pink and green 10%
aspirin starch granulations with the assurance
that they contain only CERTIFIED COLORS.
Samples will be furnished on request.
Monsanto Chemical Company
St. Louis, U. S. A.

Drugs, Fine Chemicals

Sulfanilamide, Preparations Containing It, and Related Compounds Held Dangerous to Health by Food and Drug Administration —Amyl Acetate and Dibutyl Phthalate Down

Some gain in sales of drugs and fine chemicals subject to larger consumption with the arrival of the Fall period was reported last week. Throughout the eastern part of the country, cool to cold weather prevailed constantly during the period under review and to a very moderate extent demand from wholesalers and jobbers was stimulated. General market conditions were about the same as those prevailing in the recent past. Prices on practically all items were very steady.

Of much interest and importance was a ruling made by the Food and Drug Administration with regard to sulfanilamide, preparations containing it, or related compounds, when sold in interstate commerce. The opinion was that the group was a serious danger to the public health when distributed for indiscriminate use by the general public. The group was declared actionable under Section 502 (j) of the new federal food, drug and cosmetic act.

Competition brought lower prices on amyl acetate from fusel oil, but no change was made in the produce derived from pentane. Dibutyl phthalate was also lower under competition.

Quicksilver was very dull, but some sellers reported the presence of more inquiry and felt that a substantial gain in sales would probably result in prices being raised from their present low level. Mercurials remained steady under conventional demand.

More interest in completely denatured alcohol was a sign of the approaching season when consumption as an antifreeze material in motor cars will increase. Otherwise, the alcohol market was unsettled and in not very satisfactory position.

Acetanilide.—Steady prices and fair demand were noted last week and the market as a whole had a very steady undertone throughout the period. Sales were of fair size and there was a promise of expansion of consumption during the Fall months.

Acid, Acetylsalicylic.—Business was about in line with that in recent weeks. The movement of moderate sized quantities was well maintained and trade with distributors, wholesalers and tablet makers tended to maintain a market of marked stability.

Acid, Benzoic.—Volume was up to that in recent weeks and the general market position of the article was one of fair stability and firm prices.

Acid, Citric.—Sales volume was possibly somewhat smaller than it had been, this being a development traceable to seasonal influences. Throughout the eastern section of the country, low temperatures prevailed almost constantly during the period under review and this tended to contract consumption of this acid by beverage makers.

Acid, Camphoric.—Demand to provide for Fall and Winter needs was expected to develop in the not far distant future and the spot market was very steady throughout the past week.

Acid, Gallic.—Business in the U.S.P. acid was comparatively dull. At the very best, the call was routine in character and usually was confined to a coverage of nearby requirements of a not large number of manufacturing consumers. Prices remained steady.

Acid, Phosphoric.—The price stability prevailing for many months still ruled on the U.S.P. material. The market lacked signs of much competition and a routine, jobbing demand was filled promptly on the basis of steady prices.

Acid, Tartaric.—Although some reports have pointed to a probable increase in textile production during the months ahead, the gains in activity to this date have been conservative and, hence, movement of this acid to the textile industry was still less than desirable. Prices held unchanged.

Alcohol.—Signs of a reviving interest in completely denatured alcohol were not lacking last week. Countrywide advertising is projected by the leading suppliers to the antifreeze distributing trade and coverage of wholesalers and jobbers early season requirements has started. However, the general condition of the alcohol market continued unsettled and not satisfactory. The future was indeterminate and everything seemed to keep the market favorable for buyers.

Aloin.—Strong undertones continued to govern the market and although prices were not advanced further, they continued to tend upward and such tendency was likely to dominate the market until such time as there shall be a market decline in the cost of raw material. Such a movement was one certain to come only in the distant future.

Ammonia Chloride.—Slight gain in small sales was reported and the producers were inclined to expect that there would be a slow but steady improvement in sales during the weeks ahead. The most active season of the year is directly ahead.

Amyl Acetate.—The product made from fusel oil was reduced to 9½c. per pound in tanks, 10½c. for car lots in drums, 11c. for less than car lots in drums, and 15c. to 17c. in cans. This was the result of competition. No change was made in the schedule of prices on amyl acetate derived from pentane.

Barium Sulphate.—Sales for X-Ray purposes were in normal, well-sustained volume and they took place in the market fully steady as to price and clear of most tendency toward competition.

Bismuth Metal and Salts.—Firm undertones were the rule on spot. The aspect of the market was little changed from that current for some time past and everything pointed toward the maintenance of quotations prevailing for some time past. Demand was routine but about even with that prevalent in recent periods.

Brucine.—The market has been well stabilized for a long time and a check on conditions showed them to be unchanged and tending toward the maintenance of steady prices for the future.

Cadmium.—The market was firmer than it was recently. Demand was possibly an improvement over that in the recent past and, hence, quotations were well held on the basis of the recent decline that established the market at $1.05 per pound.

Calcium Gluconate.—Inquiry was very fair. While volume was not expanding, it was being at least well maintained and, hence, the general price situation tended to be one of stability in the absence of conditions likely to develop a more competitive position for the item.

Camphor.—Demand was very good. It had broadened recently and the movement into consumption was fairly broad throughout the past week. Quotations were fully steady on both the natural and synthetic material.

Castor Oil—A somewhat wider call was noted and volume was said to have increased to some extent during the past week. Prices were steady to firm and there was no definite tendency toward more competition and, hence, possible shading of quotations.

CHICAGO, Sept. 8.—The castor oil market holds quiet. Orders have been fairly good lately. Inquiries also are reported attaining a fair volume. Ruling prices are:—No. 1, barrels, car lots, 10⅛c. per pound; barrels, less than car lots, 10⅞c.;

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Amyl acetate, ½c. per lb.
Dibutyl phthalate, 1½c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
182.8	**182.8**	**183.0**	**181.5**

Market news that may have developed after this report was sent to press will be found on page 4.

Industrial and Pharmaceutical Chemicals

QUININE
Sulphate and Minor Salts

CINCHONINE CINCHONIDINE
QUINIDINE
and their Salts

"AMSTERDAM" BRAND
"MAARSSEN" BRAND

R.W. GREEFF & CO.
10 East 40th Street New York, N. Y.

CREOSOTE
CREOSOTE CARBONATE
GUAIACOL
GUAIACOL CARBONATE
POTASSIUM GUAIACOL SULFONATE
•
ACETYLSALICYLIC ACID
SALICYLATES
BENZOATES
BENZALDEHYDE
BROMIDES
FORMALDEHYDE
PARAFORMALDEHYDE
METHENAMINE
GLYCEROPHOSPHATES
SILVER PROTEINS

HEYDEN
CHEMICAL CORPORATION
NEW YORK—50 Union Square
Chicago Branch—180 N. Wacker Drive
FACTORIES: Garfield, N. J., Fords, N. J.

returnable drums, car lots, 9⅞c.; less than car lots, 10⅝c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; barrels, less than car lots, 10⅜c.; drums, less than car lots, 10⅛c.; tanks, 8⅞c.

Chloroform.—A substantial quantity was sold to the government at prices substantially under those generally quoted as the going market on this article. Demand reaching the producers was said to be moderate so far as the regular purchasers were concerned.

Dibutyl Phthalate.—Lower quotations were announced by the producers. Tankcar lots were noted at the new price of 18c. per pound; drums, carlots, 19c.; less than carlots, 19½c.; cans, 23½c. to 25½c.

Glycerin.—Movement of refined glycerin into consumer channels was reported to be very good last week. The call was steady and productive of a substantial volume of business which tended to create additional stablization of prizes. Considered opinion of late has favored the view that values would hold at current levels for the balance of this year. Danger of foreign glycerin flooding this market was considered far less likely than seemed likely not so long ago and that fact alone has strengthened market undertones and tended to create well supported prices.

CHICAGO, Sept. 8.—The glycerin market holds quiet. C.p. material continues to attract some attention from buyers, and orders are holding up well. Other grades, too, are reported moving in good volume. Inquiries have been steady. Ruling prices are:—C.p., drums, car lots, 14¼c. per pound, drums, less than car lots, 14¾c.; cans, 16¼c. to 18¼c., according to quantity; high gravity, drums, car lots, 13¾c.

Menthol.—Business continued to be very good. Seasonal influences were at work and the pickup of sales to jobbers, wholesalers, and manufacturing consumers gave added support to prevailing prices. The market in Japan was fully firm.

Methanol.—Demand was not better than fair. No substantial improvement in request was reported and hence the movement into consuming channels was routine in all respects. Statistics relating to July production showed the output of crude natural methanol to have increased considerably, while that of synthetic material was considerably smaller than in June. Less wood was carbonized in July than in June. All totals for seven months were behind those of a year ago. Monthly statistics on production of crude and synthetic methanol, representing almost the entire output of these commodities in the United States, have been released by Director William L. Austin, Bureau of the Census, Department of Commerce. The data include production figures for 27 manufacturers for the month of 1936 and for 28 to 29 manufacturers in the months of 1937:—

Production

	Gallons			
	1938.		1937.	
	*Synthetic.	Crude.	*Synthetic.	Crude.
Jan....	2,896,894	458,347	1,835,815	525,070
Feb....	2,290,609	404,970	1,849,302	500,685
March..	2,343,828	432,800	2,071,747	546,662
April...	1,975,999	314,664	2,138,895	531,727
May...	1,860,400	330,875	2,353,497	522,961
June...	1,629,570	295,091	2,263,507	485,943
July...	1,449,607	309,219	2,564,783	465,205
Totals.	14,446,907	2,547,926	15,077,546	3,578,253

* The refined equivalent would be approximately 82 percent of the crude production.

Wood Carbonized

	Cords	
	1938.	1937.
January	44,874	53,813
February	39,587	50,410
March	43,281	54,164
April	31,429	52,116
May	32,873	51,118
June	31,056	49,709
July	29,354	47,525
Totals	252,868	358,855

Quicksilver.—More inquiry was in the market, but the gain in actual business was insufficient to strengthen prices sufficiently to permit the establishment of a higher level of value. The spot market was $75 per flask inside, with $84.50 per flask being the price which would have to be paid for Italian metal, based on its present quotation of $65 per flask in bond. The London market was $69 per flask.

SAN FRANCISCO, Sept. 6.—The past week turned out to be a poor period for trade in quicksilver. Inquiry remained very light; in fact, practically absent. The little business done here appears to be for local consumption, sellers getting from $75 to $76 per flask in small lots.

Quinine.—Fairly good demand was current during the past week, and there were signs of a probable gain in sales to buyers in northern areas. The market was fully steady so far as prices were concerned.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	31½	42¾	19⅛
Monday	*	*	19⅛
Tuesday	31½	42¾	19⅛
Wednesday	31½	42¾	19⅛
Thursday	31½	42¾	19⅛
Friday	31½	42¾	19⅛

* Holiday.

Sulfanilamide.—A ruling which, if enforceable, could well affect sales of this article has been made by the Food and Drug Administration. The ruling is to the effect that sulfanilamide and drug preparations containing sulfanilamide or related compounds are dangerous drugs and are subject to Section 502(j) of the new federal food, drug and cosmetic act when these products are distributed for indiscriminate use by the general public. The Administration ruled that the danger to health is serious and hence sulfanilamide, drug preparations containing the same, or related compounds are, when found in interstate commerce, actionable, in the opinion of the administration, under the section and paragraph given above.

Hubbard Joins Drug Products

Dr. Winfield Scott Hubbard has been named director of production, control and research for the Drug Products Company, pharmaceutical manufacturer, Long Island City. Dr. Hubbard obtained his Ph.G. at University of Illinois; B.S. degree in chemistry and pharmacy at University of Michigan; M.A. in chemistry and law at Columbia University, this city, and Ph.D. in chemistry and pharmacy at University of Wisconsin. Dr. Hubbard served for several years with the Bureau of Chemistry, Washington, D. C., and later at the New York station. He owned and operated a retail drug store in California from 1927 to 1929.

Walgreen Company August sales totaled $5,514,586, against $5,602,121 in August a year ago.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

SILVER NITRATE C.P.—U.S.P. 99.9% Pure

CHAS. COOPER & CO., 6 Mulberry Street, New York, N. Y.
Works: Newark, N. J. Established 1857

DOW ACETPHENETIDIN U.S.P.

FIRST CHOICE OF LEADING MANUFACTURERS

PHARMACEUTICAL manufacturers rely heavily on the dependable quality and uniformity of Dow Acetphenetidin, U.S.P.

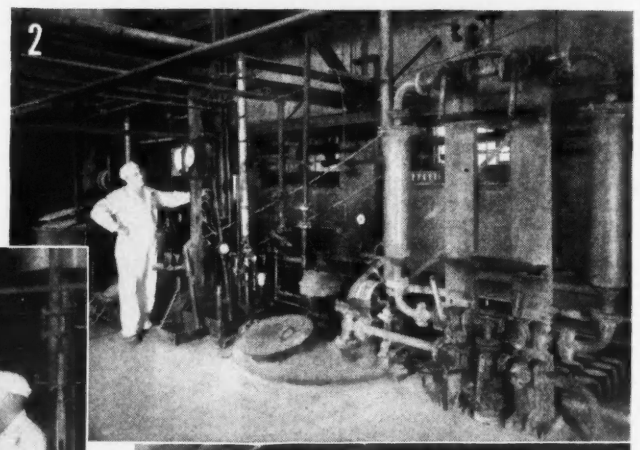
The purity of this product exceeds even the high standards of the U. S. Pharmacopoeia, as indicated by its melting point of 134½ to 135½° C. This purity and the uniform, fine, white crystalline structure are significant of the general high quality consistently maintained.

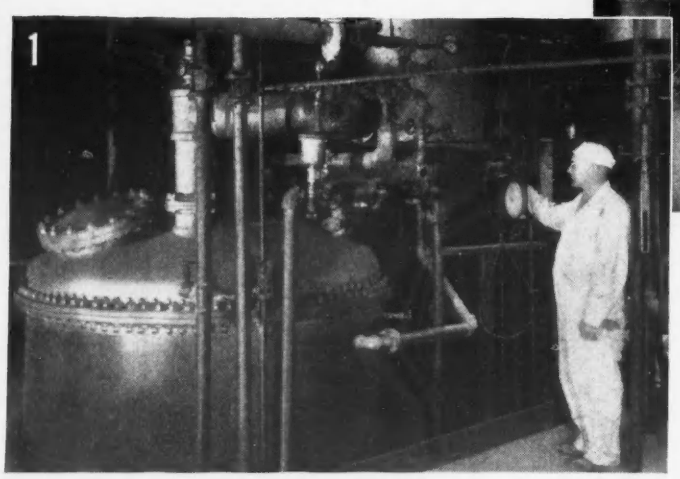
As a foremost producer of Acetphenetidin, U.S.P., Dow recognizes its responsibility by increasingly rigid production standards and by constant research toward the betterment of its products.

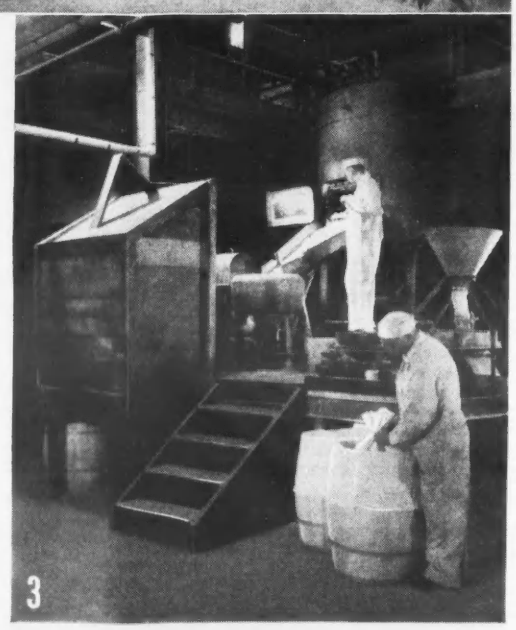
THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York City; Second and Madison Streets, St. Louis; Field Building, Chicago; 1300 16th Street, San Francisco; 2260 East 15th Street, Los Angeles

Twice Ground through pulverizing mills to 200 mesh fineness, the finished Acetphenetidin is characterized by exceptional whiteness, is always uniform in quality.







1 Freshly Distilled Paraphenetidin is reacted with Acetic Anhydride to form crude Acetphenetidin.

2 Refining Includes washings and recrystallizations from hot alcohol, then filtering through special, paper-lined, cloth filters.

3 Preliminary Drying of the purified Acetphenetidin crystals is done in a centrifuge. Ovens complete the drying process.

TRADE DOW MARK REG. U. S. PAT. OFF.

PLYMOUTH BRANDS
STEARATES - ZINC - MAGNESIA
WHITE MINERAL OILS U. S. P. and TECHNICAL
Manufacturers and Importers for thirty years
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
BETA LACTOSE
POWDERED-GRANULAR
IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

GLYCOL - GLYCERINE - ESTERS
GLYCERYL MONO STEARATE
ETHYLENE GLYCOL MONO STEARATE
ETHYLENE GLYCOL DI STEARATE
DIETHYLENE GLYCOL MONO STEARATE
DIETHYLENE GLYCOL DI STEARATE
PROPYLENE GLYCOL MONO STEARATE
ALSO AVAILABLE
OTHER FATTY ACID ESTERS of POLYHYDRIC ALCOHOLS
TECHNICAL and REFINED
OFFERED UNDER DEFINITE SPECIFICATIONS
FREE FROM SOAP AND OTHER ALKALINE INGREDIENTS
Inquiries solicited
KESSCO PRODUCTS
THE KESSLER CHEMICAL CORPORATION
DELAWARE AVE. AND MIFFLIN ST. PHILADELPHIA, PA.

MILK SUGAR
(LACTOSE)
Produced at Our Gustine, Cal. Plant
Powdered — Impalpable
Highest Quality — Best Prices
SMITH, KLINE & FRENCH LABORATORIES
109-115 North Fifth Street
PHILADELPHIA
"When you think of MILK SUGAR think of S-K-F"

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building Cincinnati, Ohio
205 East 42nd Street New York City
C/P

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N.Y.
MUrray Hill 6-1500

VITAMERICAN OIL COMPANY, Inc.
11 West 42nd Street - - New York, N. Y.
Phone: LAckawanna 4-0728
HIGH POTENCY COD LIVER OILS
POLLACK LIVER OILS
HIGH POTENCY FISH LIVER OILS
SPOT FUTURE
Quotations and Samples on Request

Pattinson's
MAGNESIUM TRISILICATE
(SYNTHETIC HYDRATED TRISILICATE OF MAGNESIUM)
. . . in physical and chemical composition conforms to that demanded by the theoretical formula:
MAGNESIA: SILICA RATIO — 1:2.24
IDENTICAL WITH SEPIOLITE ACCORDING TO DEBYE - SCHERRER POWDER DIFFRACTION PHOTOGRAPHS
Free from contamination Free from Alkali
Write for sample of "Pattinson's" brand Magnesium Trisilicate — For tablets, powders and emulsions
ANTACID — WIDE ADSORPTIVE AFFINITY
PROLONGED NEUTRALIZING ACTION
SCHOFIELD-DONALD CHEMICALS COMPANY INC
SCHOFIELD-DONALD COMPANY
Incorporated
CHEMICALS
154 NASSAU STREET NEW YORK

New Drug Clause Broadly Interpreted

—Continued from page 3

ably the only requirement to permitting the application to become effective would be a description of the methods of control used in the manufacture and packing of the product.

While this interpretation of section 505 has not been put in the form of a ruling, Walter G. Campbell, chief of the administration, has commented on it in correspondence. He was asked the question whether the exemption applied to products put on the market subsequent to June 25, 1938, which are similar in composition and labeling to articles manufactured prior to that time by a different manufacturer. Mr. Campbell replied that he doubted that the exemption extended that far, since such an interpretation would permit anyone to market "elixir of sulphanilamide," the lethal mixture of sulphanilamide and diethyleneglycol, and thus defeat the intention of Congress in drafting this section of the act.

PRIVATE FORMULA WORK

We can release your capital for expansion . . .

Let us manufacture your product, supervise it, pack it, ship it. Save your time and capital for expansion. Our work is absolutely confidential. Our facilities are complete for any type of pharmaceutical product and our services are extremely personal. May we tell you about the considerable savings we feel confident we can make for you? An inquiry incurs no obligation.

Also Headquarters for Drugs, Chemicals, Essential Oils and Allied Products

R. GESELL, INCORPORATED
formerly Ehrmann-Strauss, Co., Inc.
202 W. Houston Street, New York

Drug Business Outlook Called Encouraging

Viewing the future particularly from the standpoint of the wholesaler, J. Mahlon Buck, president of Smith, Kline & French, Inc., Philadelphia, and president of the National Wholesale Druggists Association, tells the REPORTER that he expects a general increase in the volume of the drug business over the next six months; but he has some misgivings with respect to the credit situation. Mr. Buck says:—

In my opinion, sales will show a consistent gain over last year in all lines, with the exception of Christmas merchandise. Manufacturers' and wholesalers' bookings in advance of the 1937 holiday season were quite substantial, carried along by last year's recovery wave which did not crash until the late Fall. The retail trade will make the mistake of being afraid to make commitments for gift merchandise because of last year's experience. Their purchases were heavy, and their sales to consumers small. This year the reverse will be true. Buying will be late and urgent, and stocks will be thoroughly liquidated.

Credits will recover, but just in time to save creditors from a nervous breakdown. Those wise manufacturers who distribute from 80 to 90 percent of their goods through wholesalers will show the greatest sales increases; while the direct sellers will sweat over receivables, and run low on operating capital.

Memory is short. The years 1936 and 1937 were good years. Wholesalers' receivables, built up during these years and which became frozen during the recession, will take months to thaw out. Many are doubtful assets.

Even with a recovery in sales in the last quarter, wholesale and retail distributors' profits for 1938 will be unsatisfactory due to increased labor costs and taxes. These will continue with us for years to come, irrespective of the political party in power.

The consumer must pay more if those in the wholesale and retail service fields are to meet these new overhead costs.

The rules of the business game are changing rapidly. As always, profits will be the proper reward for those who are sufficiently flexible to keep abreast of the times.

Anchor Cap Moves in Chicago

The Chicago office of the Anchor Cap & Closure Corporation, formerly located at 1 N. Canal street, is now consolidated with that of its parent company, the Anchor Hocking Glass Corporation at 360 N. Michigan avenue. Operating out of this office and representing both of the above companies are G. J. Graham, W. G. Jander, J. E. Bellinger, W. P. Carroll, B. P. Fox and S. R. Nicholson. A. G. Costello and K. K. LeMay are no longer associated with either company.

Two Necessary Books
by
Charles Wesley Dunn, Esq.

"Federal Food, Drug, and Cosmetic Act"
Pages: over 1000; Price: $6.00;
and
"Wheeler-Lea Act"
Pages: over 500; Price: $4.00

will be published by G. E. Stechert & Co., 31 East 10th St., New York, about October 1, 1938.

These books contain comprehensive statements of the legislative record of the respective acts and a comprehensive subject index of them. Each is an authoritative source of information on the development of the act and its intendment.

SPECIAL OFFER: A combination price of $5.00 for the two books; or a 20% discount.

These books may be procured from the Oil, Paint and Drug Reporter at the publisher's prices.

SPECIAL NOTICE: Each subscriber to the Food, Drug and Cosmetic Service by the Bureau of National Affairs, Inc., Washington, D. C., will receive the two books gratis.

Drug Advertising Limited in Maryland

Baltimore, Sept. 8, 1938

Drugs or medicines may not be advertised or displayed for sale in Maryland by any retail establishment other than a statutory pharmacy, according to section 229 of the state pharmacy law, which has been noted by the State attorney-general to Robert L. Swain, Deputy Food and Drug Commissioner, pursuant to an inquiry in the course of his duties in the enforcement of the pharmacy law. Infractions of the applicable section of the law are punishble with a fine of not more than $100 for each violation.

Section 229 of the Maryland pharmacy law reads as follows:—

Every drug store, shop, or other place where drugs, medicines, or medicinal chemicals are dispensed or sold at retail, or displayed for sale at retail, or where physicians' prescriptions are compounded, or which has upon it, or displayed within it, or affixed to or used in connection with it, a sign bearing the word or words, "Pharmacist," "Pharmacy," "Apothecary," "Drug Store," "Drug Sundries," "Remedies," or any other word or words of similar or like import, or where the characteristic show bottles or globes filled with colored liquids or otherwise colored are exhibited, or any store, or shop, or other place, with respect to which any of the above words are used in any advertisement, shall be considered a pharmacy within the meaning of this subtitle.

No such place shall be opened or conducted unless such person opening or conducting the place shall have obtained a pharmacist's certificate, and no pharmacy shall be at any time in charge of any person who is not a registered pharmacist.

Searle Adds to Research Staff

Dr. F. J. Saunders and Harrison S. Backus have been added to the research staff of G. D. Searle & Co., pharmaceutical manufacturer, Chicago. Dr. Saunders received his B.S. in animal husbandry in 1933 and his Ph.D. in comparative physiology in 1937, at the University of California. After receiving his degrees he became an instructor in the experiment station of the university, serving in this capacity until he made his present connection with the Searle laboratories. His fields of study include physiology, biochemistry and histology.

Harrison S. Backus also received his training on the Pacific coast, getting his B.S. in chemistry in 1933 and his M.S. in chemical engineering in 1935 at the California Institute of Technology. Mr. Backus was connected with the Cutter Laboratories of Berkeley, Cal., during 1934, doing research in the field of filterable viruses; and again, in 1935 to 1938, his work at this time entailing engineering development in biological manufacturing methods.

Drug Industry to Preview N.Y. Fair Exhibit Sept. 15

More than 400 members of the drug, chemical and allied industries have been invited to an inspection-preview of the drug industry's building at the New York World Fair, September 15. Joseph A. Huisking of Charles L. Huisking & Co., this city, chairman of the Committee for the Drug Industry's Participation in the Fair, has announced that members of the committee would serve on a reception committee during the preview of the building which has been set for from 4 p.m. to 5 p.m.

Management of the project has been undertaken by Show Globe, Inc., of which H. W. Corbett serves as chairman of the board and Earle A. Meyer as president. This organization has recently opened headquarters in the International Building in Rockefeller Center.

Vitamin Preparations Placed In Penna. College Cornerstone

Specimens of vitamins and vitamin preparations are to be included in the cornerstone of the Pennsylvania State College's new agricultural science building, according to Prof. R. A. Dutcher, head of the department of agricultural and biological chemistry. The sealed box in which they will be placed will not be opened until 2038. The contents of the box will include samples of the first codliver oil offered for sale and of Vitamin B_1, synthesized by Dr. R. R. Williams of the Bell Telephone Laboratories, as well as many other vitamin preparations.

Navy Purchasing Office, this city, is now located at 90 Church street.

Antiseptic Efficiency Increased by Acidity

Data clearly indicate that the effectiveness of commercial antiseptics is dependent, to some extent at least, on the acidity of the vehicle in which they are used, three chemists of Purdue University told the American Chemical Society September 8 at the Milwaukee meeting. These chemists, W. A. Bittenbender, Prof. E. F. Degering and Prof. P. A. Tetrault, reported on certain research which they had carried on.

The results from this research showed that phenyl-mercuric nitrate, known to the trade as "P.M.N.," is about sixty times more effective at a pH of 3, which is about the acidity of tomato juice, than at a pH of 7, which represents the acidity of water. Under the same experimental conditions, hexylresorcinol, better known as "S.T. 37," is about thirty times, "Merthiolate" about seven times, tincture of iodine about four times, and phenol about one and one-half times as effective at the higher acidity than at the lower.

The effectiveness of the preparations was tested under controlled pH against *Bacillus coli* and *Staphylococcus aureus*. In previous reports, Professor Degering and collaborators have shown that hydrochloric acid itself is a certain and definite bactericide against these two bacteria at a pH of about 2. These studies were carried out in the laboratories of Purdue University in collaboration with W. A. Bittenbender, graduate student in the chemistry department, and Prof. P. A. Tetrault, of the biology department. In previous studies on the phenylalkanoic acid series, these workers pointed out the apparent effect of acidity on the bacterio-static and bactericidal activity of these compounds and postulated a "hydrogen-ion effect." The results reported at Milwaukee on some of the leading commercial antiseptics confirmed this postulate.

Although it has been known for some time that acidity has an enhancing effect on the bacteriostatic properties of benzoic acid insofar as its use in tomato juice and similar preparations is concerned, it was not realized that some micro-organisms are much less resistant to destruction by certain chemicals with an increase in acidity. This has been clearly demonstrated by the studies carried out by Prof. Degering and his collaborators during the past few years, and as a result it should be possible to buffer the acidity of commercial antiseptics so as to make them much more effective than has been possible heretofore.

Oxidation Processes Described

A brief description of the equipment and means of operation of some actual industrial oxidations in chemical engineering processes is contained in Circular No. 34 of the Engineering Experiment Station of the University of Illinois, entitled "The Chemical Engineering Unit Process—Oxidation," by Donald B. Keyes, which has just been issued. The processes considered are the burning of sulphur to sulphur dioxide; the oxidation of sulphur dioxide to sulphur trioxide, both in the chamber and in contact plants; the oxidation of ammonia to nitric acid; and the partial oxidation of certain organic compounds such as naphthalene, kerosene, and the lower hydrocarbons. Until February 15, 1939, or until the supply available for free distribution is exhausted, copies of circular No. 34 may be obtained without charge upon application to Engineering Experiment Station, Urbana, Ill.

Carbonated Beverages Bottlers Annual Meeting Oct. 31

The American Bottlers of Carbonated Beverages will hold its twentieth annual convention and exposition in the Port Authority building, this city, October 31 to November 4. This will mark the initial holding of the convention and exposition in this city. The officers of the association are:—President, George S. Derry, Philadelphia; vice-president, Paul F. Glaser, Seattle, Washington; Joseph Paides, Baltimore; and secretary, James L. Oliver, 224 Southern building, Washington, D. C.

Gordon H. Chambers, vice-president of the Foote Mineral Company, manufacturers of chemicals, metals and mineral products, Philadelphia, sailed September 10 for a European business trip. He will visit England, Belgium, Holland, France and Italy, returning to this country in mid-October.

Eastman
PARA AMINO PHENOL
Base and Hydrochloride

AVAILABLE in both a purified and a technical grade. . . . Produced continuously, so that shipment is prompt and from fresh stock. . . . Backed by the Eastman reputation for highest quality products.

Information and quotations will be furnished upon request.
Eastman Kodak Co., Chemical Sales Division, Rochester, N. Y.

EASTMAN TESTED CHEMICALS

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

Chemical Engineers—
Representation on this page would result in inquiries and business. We have a special rate for professional cards. May we quote it to you?
Oil, Paint and Drug Reporter 59 John Street, New York, N. Y.

Philip B. Hawk, Ph.D., Pres. Bernard L. Oser, Ph.D., Dir.
FOOD RESEARCH LABORATORIES, INC.
114 E. 32nd Street, New York
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALISTS IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

GOODMAN, REX, M.D.
Formerly Medical Officer, Drug Division Food and Drug Administration, Washington
Consultant
Labeling and Advertising of Drug Preparations, Cosmetics, etc., under the Federal Food and Drugs Act and Law Enforced by Federal Trade Commission.
Cary - - - - - - - - - Mississippi

Charles H. LaWall Joseph W. E. Harrisson
LAWALL AND HARRISSON
Analytical and Consulting Chemists
Pharmaceutical and Chemical Research. Process and Formula Development. Food, Drug and Water Analyses. Legal Testimony.
214 So. 12th Street, Philadelphia, Pa.

Pease Laboratories, Inc.
CHEMISTS SANITARIANS BACTERIOLOGISTS
ANALYSTS SCIENTIFIC LIBRARY SERVICE
MEDICAL ADVERTISING AND TECHNICAL CONSULTANTS
39 West 38th Street . . . . . New York

Protect Your Ideas By PATENTS
Call or send me a sketch or simple model
WHAT IS YOUR INVENTION?
Z. H. Polachek
1234 BROADWAY NEW YORK
PATENT ATTORNEY ENGINEER
CONFIDENTIAL ADVICE
Register Your TRADE MARKS
U. S. Pat. Off. records searched
ANY Invention or Trade Mark
FREE } CONSULTATION { LITERATURE
Phone LOngacre 5-3088

W. S. Purdy Co., Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Oils, Waxes, Greases, Soaps, Fuel Oils, Coal
Phone HAnover 2-3772
128 Water Street New York City, N. Y.

Sadtler, Samuel P., & Son, Inc.
Research and Analytical Chemists
CHEMICAL ENGINEERS
Patent and Legal Testimony
210 South 13th Street.....Philadelphia, Pa.
"Nothing Pays Like Research"

BACTERIOLOGY
Research Routine
Industrial Medical
LELAND BROWN LABORATORIES
6816 Market St. Upper Darby, Pa

Barsky & Strauss, Inc.
Chemists and Chemical Engineers
202 East 44th Street
New York City
Telephone Cable Address
MUrray Hill 2-3689 "Barstra"

Bureau of Chemistry
New York Produce Exchange
H. B. Trevithick, Ph. B., B. S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps Turpentine, Glycerine, Cattle Feeds Spices, Chemicals, etc.
Consultation—Research.

Calvert, Robert
Registered Patent Attorney since 1930
CHEMICAL PATENTS
Particularly experienced in Plastics. Resins, Cellulose Derivatives, Lacquers, Solvents, Petroleum Synthetics. Miscellaneous Products.
50 E. 41st St., N. Y. LEx. 2-7649

Michael J. Carpinello, Inc.
OFFICIAL and LICENSED SAMPLERS, WEIGHERS, and INSPECTORS
Members N. Y. Produce Exchange, Oil Trades Association of N. Y.
Official Weighers, Inspectors and Samplers for the N. Y. Produce Exchange, the National Cottonseed Products Assn., the N. Y. Cocoa Exchange, Inc.
2 Broadway, New York. Tel. BO. 9-0416

Collapsible Tube Filling
Ointments, Lubricants, Adhesives, Polishes, Cosmetics, Dental Creams, etc.
Your material or ours. Manufacturing facilities from 1 gross up. Complete packaging if you wish. Reasonable rates. Let us quote you.
Day Chemical Co. 480 Washington St.
Irving Biber, Ph.G. Newark, N. J.

Ellis-Foster Company
Established 1907
Research and Consulting Chemists
Specializing in Synthetic Resins and their Plastics and Related Subjects
98 Greenwood Ave. Montclair, N. J.
Telephone—Montclair 2-3510

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-976 Frelinghuysen Ave.,
Newark, N. J.
Telephone: BIgelow 3-4020

Hochstadter Laboratories, Inc.
Chemical Analyses, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre 5-5260—5261.
254 West 31st St. New York

DRAWBACK SPECIALISTS
Refunds of duty on materials used in exported products.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6841

INDUSTRIAL CONSULTING LABS., Inc.
Consulting Chemists
Paints, Varnishes, Lacquers
128 Water Street HAnover 2-1999

Knight, B. H.
Analytical and Consulting Chemist
50 East 41st Street New York
OFFICIAL ANALYST
U. S. Shellac Importers Assoc.
Am. Bleached Shellac Mfrs. Assoc.

Laning Company, E. M., Inc.
Consulting Chemists
Specializing in Perfume, Toilet Preparations, Pharmaceuticals and Flavors Exclusively. Formulae Perfected, Problems Solved. Plants Equipped.
433 Stuyvesant Ave., Irvington, N. J.
Phone ES. 2-8433
E. M. Laning, B. Sc., President
Robert C. Pursell, Phar. D., V-Pres.

Miel, George A.
Analytical & Consulting Chemists
Specializing in the:
Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry.
128 Water Street HAnover 2-9066

Molnar Laboratories
Chemists—Bacteriologists
Beverages, Oils, Foods, Drugs, Water Analyzed, Toxicological Studies.
Nicholas M. Molnar, M.S., F.A.I.C.
Member Assn. Consulting Chemists
211 E. 19th St. New York City
GRamercy 5-1030

Munch, James C., Ph.D.
Consultant and Laboratory Service Pharmacology and Bioassays
Bioassays, U.S.P. and other methods. Abstracts of the literature.
Pharmacological study of new drugs. Toxicity determinations.
Developments of new methods of assay.
6816 Market St., Upper Darby, Penna.

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting, Analytical and Research
847 W. Virginia Street, Milwaukee, Wis.

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
202 East 44th Street New York, N. Y.
MUrray Hill 2-0907

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. C., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone ASHland 4-4343.
16 East 34th St. New York City

ADHESIVE SPECIALIST
IRA I. SLOMON
For New and Original Ideas
L. I. City, N. Y.

Snell, Inc., Foster D.
CHEMISTS—ENGINEERS
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.

Stillwell & Gladding Established 1908
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

TRANSLATIONS
Authoritative Translations from and into French, German, Italian, Portuguese, Spanish, etc.
All Chemical Subjects: Organic and Inorganic Chemistry, Petroleum, etc.
EXPORTERS' & MANUFACTURERS' TRANSLATION BUREAU
Chemical Dept.
11 W. 42nd St., New York City
BRyant 9-5106

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen.
20 Norman Road Montclair, N. J.
Telephone 2-4516

Weiss and Downs, Inc.
Chemical Engineers
SYNTHETIC PHENOL
50 East 41st Street
New York, N. Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

Soybean Oil Found Good Paint Vehicle

Dependence of the United States paint and varnish industry on foreign sources for the bulk of its drying oils may be obviated by the use of soybean oil, derived from domestic crops, it was said by A. J. Lewis and K. S. Markley, chemists in the United States Regional Soybean Industrial Products Laboratory, Urbana, Ill., in a paper read at the Milwaukee meeting of the American Chemical Society September 8.

The authors explained that the laboratory was organized as a co-operative enterprise by the Bureau of Chemistry and Soils and the Bureau of Plant Industry of the United States Department of Agriculture and the Agricultural Experiment Stations in Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. The basic objectives of the laboratory, they said, are to find the effect of varietal, climatic, soil, and fertilizer differences on the chemical composition of the soybean; also, to develop new industrial outlets for the soybean and soybean products. At present effort is being concentrated on extended industrial uses for the oil, especially in the drying field. The authors cited figures of the Bureau of the Census, indicating that this country is dependent on foreign sources for the bulk of its drying oils.

The paper described a fourteen-month test of bakelite-soybean oil varnishes, in which three heavy coats were applied by brush to a redwood panel on three successive days. Under these conditions, alligatoring, checking, cracking and other failures would result if the first and second coats were not thoroughly dry, they pointed out; however, the bakelite-soybean oil varnishes weather very well in the test, and no checking or cracking was visible.

Paints made with all soybean oil with various white pigment combinations and using Federal specification oil drier have been under exposure tests for about a year, and are still in good condition, it was reported. Probably the most interesting of these exposure tests are those painted comparatively with paints made from 100 percent nonbreak soybean oil, from a 50-50 mixture of soybean and perilla oils (both nonbreak oils), and from raw linseed oil, the latter being used as a control paint. The conclusion was that oil paints and varnishes can be made successfully from the various types of soybean oil in the same way as they are now being made from the faster-drying oils. Using the same metallic driers, the drying times of these various soybean oil paints and varnishes compare favorably with the drying times of similar products from linseed oil, it was said.

German Carbon Black Output From Anthracene Increases

Reports indicate that progress has been made in the manufacture of carbon black from anthracene in Germany. Two plants are already in regular operation, producing high-grade gas black and although the capacities of these plants have been repeatedly stepped up it has been impossible to meet the mounting demand. Both of the plants are controlled by the Deutsche Gold- und Silberscheideanstalt A.G.

It is understood that additional plants for producing gas black by processes controlled by the Scheideanstalt Company are either projected or in course of construction. Notwithstanding augmented domestic production, imports of carbon black into Germany have increased. For the first five months of 1938 total imports amounted to 4,785 metric tons as compared with 4,507 metric tons for the same period in 1937 and with 4,763 metric tons for the first five months of 1935, according to the American consulate general, Frankfort-on-Main.

Sherwin-Williams Names Yager South Central District Head

W. J. Yager has been made manager of the south central district for the Sherwin-Williams Company with headquarters in this city. He succeeds H. J. Howell, who died a few weeks ago. Mr. Yager was brought to Cincinnati from Cleveland, O., where he was manager of product finish sales in the industrial department. Before that he was branch manager at Louisville, Ky. Mr. Yager entered the employ of the company six years ago. He started his career in the industry with the Jones-Dabney Company, Louisville, Ky., and at the time he resigned was sales manager. Mr. Yager is a graduate of Millersburg Military Institute, Millersburg, Ky.

Indiana Standard Oil Awards Pins to 1,312 Employees

The Standard Oil Company of Indiana will award gold pins to 1,312 employees during 1938. For forty years of service, eight employees will receive gold pins. Edward G. Seubert, president of the company, is among the list receiving the forty-year pin. Some 733 employees will receive pins for ten years; 525 employees for twenty years, and forty-six for thirty years of service.

BOTANICALS

Do you buy "X" botanicals—unknown quality, uncertain potency . . . or do you purchase "Q" botanicals—plant drugs of Quality, supplied by a house you know you can trust for time-after-time products of merit?

When you order from Penick, you buy "Q" botanicals—items of quality—maintained by unremitting watchfulness of our buyers and staff of capable scientists. You also buy peerless service . . . rapid delivery from centrally located warehouses . . . milling to precise specifications . . . a selection of almost one thousand fresh-crop plant drugs . . . prices that save you money.

Buy "Q" Quality, from one reliable source of supply, Penick:—
CRUDE BOTANICALS, QUALITY GUMS, ALKALOIDS, SOLID AND POWDERED EXTRACTS, INSECTICIDE BASES, COSMETIC RAW MATERIALS AND FISH LIVER OILS

S. B. PENICK & COMPANY

132 Nassau Street, New York 1228 W. Kinzie Street, Chicago

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Obituaries

C. Wilson Foshay

C. Wilson Foshay, affiliated with the International Printing Ink Company and its predecessor firms for thirty-four years, died in a hospital in New Rochelle, N. Y., September 8. He was fifty-one years of age.

Mr. Foshay entered the ink manufacturing business with the firm of Ault & Wiborg, and was its secretary when it was taken over in 1928 by the International Printing Ink Corporation. In 1937 this corporation became the Interchemical Corporation. Surviving Mr. Foshay are his wife and two brothers, Addison Y. and Harold A. Foshay.

Albert E. James

Albert E. James, since 1927 manager for the Calvert Drug Company, cooperative wholesaler, Baltimore, died August 26 after an illness of more than a year. He was fifty-six years of age.

A native of Baltimore, Mr. James resigned from Johnson, Boyd & Co., dry goods house, Baltimore, to become associated with the Calvert organization, and subsequently became manager in 1927, succeeding R. E. Lee Williamson, who resigned the managership of the Calvert firm to become secretary of the Federal Wholesale Druggists Association. He is survived by his wife.

M.E. Lake

M. E. Lake, vice-president of the Coast Line Oil Corporation and the Lincoln Petroleum Corporation, San Antonio, Texas, jumped or fell from a fourth-floor window of a hotel in Mattoon, Ill., September 7, after his wife had dropped to the sidewalk from the same window. He was thirty-five years of age. Mrs. Lake's back was broken, and physicians at the hospital reported her condition as critical. Mr. Lake was widely known in the Southwest as a geologist.

Charles C. Neal

Charles C. Neal, director of product control for Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, from 1929 until his retirement March 1, 1938, died unexpectedly from a heart attack, in Romney, W. Va., September 2. He was sixty-three years of age.

Born in Danville, Va., Mr. Neal, after attending grade and high schools and the Danville Military Institute, began a four years' apprenticeship in the pharmacy with Dr. W. H. Cole, in his native town. At the end of his term he matriculated at the Baltimore College of Pharmacy, from which he was graduated with honors in 1899. He returned to Danville and for two years was in the retail drug business in partnership with his former preceptor, Dr. Cole.

Fire destroyed the drug store in 1901, and in August Mr. Neal accepted a position as representative of Sharp & Dohme, Baltimore, in southwestern Virginia. In February, 1902, Charles E. Dohme transferred him to the laboratories in Baltimore, where he started as an assistant in the tablet department. After working successively in the elixir, fluidextract, and powdered extract departments, he was made superintendent of the laboratories in 1924. He held this position until the business of Sharp & Dohme was merged with that of the H. K. Mulford Company, and the laboratories were moved to Philadelphia. At that time Mr. Neal was appointed director of product control for the company.

Mr. Neal was a member of the American Pharmaceutical Association, the American Chemical Society, the American Association for Advancement of Science, and the American Pharmaceutical Association, of which he had been chairman of the executive committee for twenty-four years. He was a captain in procurement division of the Officers Reserve Corp. His hobbies were golf, fishing and stamp collecting.

Surviving are two sisters, Mrs. Charles Goldsborough, Culpepper, Va., and Mrs. W. B. Fanshaw, Petersburg, Va.

Paul Wood Plunket

Paul Wood Plunket, president of the Greenville Cotton Oil Company, Greenville, Texas, died in a hospital in that city August 29, following a four weeks' illness. He was fifty-five years of age.

Born in Covington, Ky., Mr. Plunket moved with his parents to Augusta, Ga., the city in which he entered the cottonseed oil business, where, after attending the local schools, he obtained a position in a Procter & Gamble Company mill, and was subsequently transferred to Charlotte, N. C. In 1911 he was made manager of the Greenville Cotton Oil Company, and in 1927, in addition to his managership of the Greenville organization, he was appointed manager of the Cherokee Cotton Oil Mills. In 1931 he was made president of the Greenville company.

Guy Conwell Shepard

Guy Conwell Shepard, former administrator of packing house products under the Federal farm relief act, died of a heart ailment September 4 at his home in Evanston, Ill. He was sixty-five years of age.

Mr. Shepard had been affiliated with the packing industry for a generation, prior to his retirement in 1932, starting at Omaha with Cudahy Packing Company as an office boy. His rise was steady, and for seventeen years beginning in 1915, he was vice-president of the company. After his retirement from active duty he was appointed in 1933 to the Federal government post, resigning later because of press of personal affairs. Surviving are a wife and two daughters.

Harold Ahlquist, a consulting chemical engineer, this city, died unexpectedly from a heart attack August 30 in a hospital in Kingston, Jamaica, while on a cruise with his wife.

James Watson Bradin, 3d, metallurgists and metals broker, this city, died September 5 in a local hospital. He was sixty years of age.

Thomas W. Cahill, manager of the Tennessee territory for the Pan American Petroleum Corporation, died in a hospital in Milwaukee August 30 of an infection resulting from a leg injury inflicted by a caged lion. Mr. Cahill was reported to have visited winter quarters of a circus in northern Wisconsin and ventured near the lion's cage. Apparently the lion slapped a paw through the bars, digging its claws into Mr. Cahill's leg.

Dr. Charles Claude Carpenter, long prominent in the British gas industry, died in London September 8. He was eighty years of age. Dr. Carpenter had invented the British processes for the elimination of sulphur and naphthalene from gas.

Charles L. Rohrbach, secretary of the Compressed Air Institute, the Hydraulic Institute, the Heat Exchange Institute, the American Society of Sales Executives, the Refractories Association and other industrial trade associations, this city, died unexpectedly from a heart attack in Pittsburgh August 30. He was sixty-four years of age. His home was in Summit, N. J. Surviving are his widow and two sons.

John J. Sealy, prominently identified with the explosive industry in England, has retired from the staff of the Imperial Chemical Industries, Ltd., at Ardeer. He originally supervised the construction of the plant.

Hubert C. Verhey, jr., of the Philadelphia office of Lever Brothers, soap manufacturer, died of an internal ailment in a hospital in that city, August 28. He was twenty-six years of age. His parents, two sisters and a brother survive.

Francis G. Webb, who retired in 1928 as assistant secretary of W. R. Grace & Co., this city, died September 6 in a hospital in Plainfield, N. J. He was seventy-one years of age. Surviving are his wife, three brothers and a sister in England.

Herbert E. Westerfelt, president of the Gulf States Paper Corporation, Tuscaloosa, Ala., died in his home in South Bend, Ind., following an illness of six weeks. He was seventy-eight years old.

Botanical Drugs, Spices, and Gums

Short Horehound Crop Fetches Higher Prices Everywhere —Classification as Dried Fruit Brings 35 Percent Ad Valorem Duty on Sloe Berries—Serpentaria Down

With the Summer vacation period ended and the period in which the influence of Fall manufacturing needs usually develops being at hand, reports in the market for botanical drugs failed to show much improvement in consumer interest. Trade was still confined to quantities that were usually conservative in size and of the sort usually intended to cover prompt requirements only. However, lack of larger sales volume failed to react on the general price structure. On the contrary, there was positive evidence that resistance to further reductions had developed and the market was generally called firm in most respects.

Price developments during the period under review confirmed this situation in considerable measure. Advances were more numerous than declines and they affected numerous botanicals properly classified as medicinal items. Materials which failed to develop change in price were almost uniformly steady to firm, previous revisions on many of them having brought quotations here and in the primary market down to a basis where values showed a disposition to solidify. They had, apparently, become basic for the coming season.

Concerning the outlook for the future, the general feeling was that buying would broaden considerably and any substantial increase in sales to consumers would probably be reflected in a rising trend of prices on a good many items. Stocks in the hands of manufacturing consumers were believed to be low; certainly they should be when it is recalled that buying by consumers was very light most of the Summer.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Bags—Entered.
Anise	565	1,165
Belladonna	51	245
Caraway	784	7,863
Cardamom (cases)	49	1,113
Celery	...	1,633
Coriander	2,012	5,227
Cumin	856	2,046
Digitalis leaves (cases)	68	88
Dill	...	300
Fennel	256	719
Henbane leaves (bales)	42	107
Mustard	200	23,346
Poppy	300	25,060
Sage leaves (bales)	25	703
Sesame	953	8,150
Stramonium (bales)	516	518
Thyme (bales)	9	657

Price Changes

Prices were changed during the past week as follows:—

Advanced

Angelica root, domestic, 2c. per lb.
Anise, Spanish, ½c. per lb.
Cassia fistula, 1c. per lb.
Celery seed, Indian, ½c. per lb.
Fennel seed, French type, ½c. per lb.
Horehound herb, 2c. per lb.
Juniper berries, ¼c. per lb.
Larkspur seed, 2c. per lb.
Lovage root, 15c. per lb.
Rhubarb root, whole, 1c. per lb.
powdered, 2c. per lb.
Senega root, 1c. per lb.
Simarubra bark, 1c. per lb.
Senna leaves, T.V. No. 3, ½c. per lb.
Wild cherry bark, thin green, rossed, 1c. per lb.

Reduced

Balm of gilead buds, 8c. per lb.
Cramp bark, 2c. per lb.
Coriander seed, Morocco, ¼c. per lb.
Ergot, 15c. per lb.
Kola nuts, ½c. per lb.
Poppy seed, Dutch, 3.8c. per lb.
Polish, ⅝c. per lb.
Pepper, black, Lampong, ¼c. per lb.
red, chillies, Japanese, ½c. per lb.
Pimento, ¼c. per lb.
Peppermint leaves, foreign, 3c. per lb.
Quince seed, 5c. per lb.
Raspberries, dried, 2c. per lb.
Spearmint leaves, 1c. per lb.
Skunk cabbage, 3c. per lb.
Thyme herb, ½c. per lb.
Uva ursi leaves, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
121.8	122.7	124.6	127.5

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba. — Unchanged prices and market conditions prevailed. The market was quiet, fairly steady, and active within jobbing limits.

Fir.—Canadian balsam was moderately easy though no further reduction in prices was made. The demand was mainly for small lots, but the volume on that basis was fair. Oregon balsam was steady in price and quiet as to demand.

Barks

Buchthorn.—Outlook for demand was said to be good because of the fact that the price situation in cascara bark was such as to make it more than likely that some buyers would turn to buckthorn because of savings in costs.

Cascara.—The situation in the Far-west was unchanged. Stocks were in generally firm hands and prices were well maintained at all times while awaiting the development of a broader consuming request. Such was the control exerted at the source that should demand expand sharply, further advances in quotations would be not unlikely.

Cramp.—Quotations on the genuine cramp bark were shaded to 20c. to 22c. per pound, being the result of an accumulation of new crop goods and the offering of the same at more attractive prices. The top quality of bark was generally very firm since collection of the same has been moderate.

Simarubra. — Values were slightly firmer and higher. The market ended the week at 28c. to 30c. per pound to bring values more into line with the prevailing cost of replacement in the primary market. Demand was little improved over its recent volume.

Wild Cherry.—Rossed thin green bark sold at a slight advance to 9c. to 10c. per pound and the outlook was said to be considerable firmer. No change in the prices on other qualities of the article was made.

Beans

Tonka.—While demand was not for large quantities, it was very good for those of smaller size and the effect on the price position was one of a firming up of the general situation and undertone of Angostura beans.

Vanilla.—Undertones remained firm and prices were well held in all quarters, reflecting the well maintained cost of goods in foreign markets and the total absence of any tendency, sign, or trend in favor of buyers. Demand was sufficient on spot to give added emphasis to the firmness of local values and the absence of any substantial competition for business. Spot stocks were judged fully worth what was asked and local sellers held aloof from any general tendency toward shading or acceptance of bids.

Berries

Juniper.—The market was a fraction higher at 4c. to 5c. per pound and firmer under the influence of a somewhat wider and more active request for spot goods.

Raspberries.—Dried berries were lowered once more and the spot price last week was 38c. to 40c. per pound. This was a movement that was hinged to the prevailing cost of replacement stocks in the farwestern primary market. Local trading was light.

Sloe.—Botanical drug houses previously have imported this article free from duty but from now on a duty of 35 percent ad valorem will be imposed if the recent ruling of appraisers at the port of New York continues to be enforced. Reclassification brought the change in duty, the article being now classed as a dried fruit under paragraph 752 of the tariff act.

Flowers

Arnica.—General market conditions were steady to firm, local conditions fitting very well with the situation surrounding new crop goods in the European market. Demand was usually for prompt, but not large, spot deliveries.

Chamomile.—The situation in Roman flowers in Belgium was one of considerable strength since the production was less than normal and good to best quality merchandise was none too plentiful. Hungarian flowers lacked quotable change.

Linden.—The market has become fairly stable and further development of the generally firm situation abroad has yet to come. Local demand was moderate but reasonably steady, business being done at full prices.

Pyrethrum.—Trade in powder and concentrate was excellent and the general undertone of the market was one of substantial firmness in the absence of much competition.

Saffron.—Mexican material was firmer because when new importations are made an export tax of 12 percent will be added to the Mexican market price. Spanish flowers were well held, in light demand, but very firm because of the import position of the material.

Gums

Arabic.—Although business was not especially active, the market retained

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Professionally Milled
ANALYZED - STANDARDIZED
CRUDE DRUGS
"QUALITY is remembered long after price is forgotten"
The Earth Contributes AND J.L.HOPKINS & CO. DISTRIBUTE ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
J. L. HOPKINS & CO.
220 BROADWAY • NEW YORK CITY

DERRIS ROOT
Produced by The Netherlands Indies Government Estate
TJIPETIR
GUARANTEED MINIMUM 8% ROTENONE
Uniform thickness and length
For further particulars apply to
JACOBUS F. FRANK
Representative of Netherlands Indies Government Estates
132 Front Street, New York City
Telephone JOhn 4-2478

ORBIS are GUM SPECIALISTS
ORBIS GUM
TRAGACANTH
ARABIC KARAYA
Whole or Powdered
Write for Prices and Samples
ORBIS
PRODUCTS CORP.
215 PEARL STREET
NEW YORK, N.Y.

Vanilla Beans--Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

KARAYA TRAGACANTH ARABIC
GUMS
FRANK-VLIET CO. INC.
160 WATER ST. NEW YORK, N. Y.
WHOLE AND POWDERED

its recently firmer undertone and quotations were well maintained throughout the period. The local market matched that at the primary source of supplies from whence prices in recent weeks were a deal firmer.

Benzoin.—Inquiry was fairly good and there were signs suggestive of a probable increase in demand in the weeks immediately ahead. Stocks of Sumatra gum were conservative to light because of numerous rejections on the basis of not satisfactory quality.

Guaiac.—A slight gain in sales was reported in one direction but other suppliers said that trade was about the same and, at the outside, consisted of a coverage of moderately sized jobbing needs. Prices remained very steady.

Karaya.—Cosmeticians were takers of fair quantities, and there were signs pointing to a probable increase and improvement of interest on the part of other manufacturing consumers. Quotations were generally very firm.

Tragacanth.—Textile makers were in the market for larger quantities of the article and the market gained considerably in activity by the close of last week. Prices were well stabilized here and reflected well controlled prices in the primary market.

Herbs and Leaves

Horehound.—The European crop has been a very poor one and it was virtually impossible to get offerings of replacement materials. Spot quotations were advanced to 10c. to 11c. per pound when the foreign situation developed.

Peppermint.—Foreign material was shaded to 42c. to 45c. per pound under competition. Domestic was steady and unchanged. Demand was moderate and generally irregular most of the time last week.

Senna.—No. 3 T. V., leaves were higher at 5½c. to 6c. per pound, and the balance of the senna group showed price stability and lack of unsettling competition.

Spearmint.—More favorable prices on new crop goods permitted some spot dealers to lower the market to the basis of 18c. to 19c. per pound. Also, demand was not very active, being mainly on a hand-to-mouth basis.

Thyme.—Spot offerings were made at 14c. to 15c. per pound and were backed by a fairly plentiful supply of prompt delivery material that moved moderately in a more competitive market.

Uva Ursi.—Local quotations were a fraction lower at 8½c. to 9c. per pound as a competitive movement that developed on the appearance of several inquiries, some of which proved fairly attractive to sellers.

Miscellaneous

Balm of Gilead Buds.—New crop has affected the market price on dried buds at last and local quotations developed on the basis of 25c. to 28c. per pound.

Cassia Fistula.—Several lots of attractive size were sold last week and fetched the higher price of 8c. to 9c. per pound. The market was firm at the advance and undertones were very steady at the close of the trading period.

Ergot.—Spot prices were down to the basis of $1.50 to $1.55 per pound. This was purely a local development, caused by the lack of sufficient demand to sustain values that had been warranted recently not only by replacement cost but also by actual sales. It was thought that the development would be temporary since the reports of foreign shortage have been confirmed.

Kola Nuts.—A fraction was shaved from the price of this article and the market at 7c. to 8c. per pound seemed to be fairly easy toward the close of last week. A not too active consuming request has tended to create a more competitive situation.

Manna.—The firmer and higher market recently reported on large flake was unchanged and the situation was one of considerable strength toward the close of last week. Small flake was firmer in tendency but lacking in new development.

Roots

Angelica.—Domestic root was a shade lower at 18c. to 20c. per pound, some offering new crop root obtained at a lower first cost. Imported material remained very steady. Demand for either kind of material was light.

Golden Seal.—The primary market prices were such as to make spot quotations at $2.95 per pound for whole root still the going figure, although some quarters made the market lowest at $3.10.

Lovage.—Prices have been advanced to 50c. to 55c. per pound. For a long time some dealers had stated that the prevailing price had been too low and during the past week competition was withdrawn and a generally higher level of values was established.

Rhubarb.—The decline was said to have run a trifle too far and there was a reversal of price trend that brought whole to the basis of 32c. to 35c. per pound, while for powder 37c. to 40c. was asked. Not much demand was current last week.

Senega.—The very firm price on new crop root caused one spot dealer to raise local quotations to the basis of 50c. to 51c. per pound, and reported the market as easy thereat.

Skunk Cabbage.—Further downward movement in price signalized an accumulation of new collections at more favorable prices to the dealers. Local quotations were revised downward to the basis of 15c. to 17c. per pound.

Seeds

Anise.—Spanish seed was still higher at 16½c. to 17c. per pound, and trading with the primary market was still virtually cut off. Star seed was steady but unchanged. Mexican seed was offered in the local market.

Celery.—Quotations on seed from India were higher at 11⅝c. to 12c. per pound. Those on French material were unchanged. The situation in France appeared to be slightly firmer.

Coriander.—Natural Morocco seed was shaded to 4½c. to 5c. per pound, but no change in bleached material was made. The local market was more competitive.

Fennel.—French type was advanced to 8c. to 8½c. per pound on improvement in consuming demand. Other kinds of this seed lacked quotable change.

Larkspur.—There was an upward tendency in spot prices and some dealers priced the article at 32c. to 35c. per pound because of a reported strengthening of replacement costs.

Poppy.—Values continued to sag here in company with a weakening in the primary market values. Dutch seed was down to 9¼c. to 9½c. per pound, while the Polish variety stood at 9c. to 9½c. Demand was very light.

Quince.—Sellers reported some improvement in consumer interest and there were indications that the article would gain in seasonal interest. Prices were lower at 80c. to $1 per pound, according to variety and quality.

Spices

Cassia.—Values were fully steady throughout the past week. Demand was not very active and consisted mostly of small orders covering prompt requirements of a not large number of buyers.

Clove.—An exceptionally firm undertone governed spot prices even though the call from buyers was irregular and not productive of a substantial volume of transactions by the close of last week. Replacement costs were fully steady.

Paprika.—No further easing of prices developed. Undertones were steadier for the most part and since stocks were not overly large, sellers were disposed to avoid competitive shading of quotations while awaiting a broader consumer request.

Pepper.—Black lampong was shaded to 4⅝c. to 4⅞c. per pound in a market of narrow spot trading. Japanese chillies eased further and were offered at 19c. to 19½c. per pound. White peppers lacked quotable change.

Trading in black pepper futures on the New York Produce Exchange from September 6 to September 9, inclusive, comprised 126 contracts, a total of 4,233,600 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.67	4.56	4.53@4.57
March	4.80	4.67	4.63@4.68
May	4.90	4.75	4.74@4.78
July	5.01	4.84	4.85@4.88
October	4.46	4.46	4.35 Nom
November	4.46	4.45	4.40 Nom
December	4.56	4.50	4.47@4.52

Pimento.—Competition was to the fore again and the market receded to the basis of 13½c. to 14c. per pound under the influence of a not very active consuming demand last week. Primary market values showed no gain in strength.

E. I. du Pont de Nemours & Co., Wilmington, and Lyon & Coulson, Inc., fishing tackle manufacturer, Buffalo, N. Y., have developed a synthetic material for use in fishing tackle leaders, designed to fill the place occupied by Spanish gut.

OIL PEPPERMINT!

D&O ESTABLISHED IN 1798

Yes, we have Oil Peppermint that is the finest obtainable

As one of the principal factors in the Peppermint Oil industry, our experienced purchasing representatives are constantly watching the mint as it grows and they select for us only the product from the choicest fields. Many oils on the market are more or less contaminated by weeds.

"D&O" Peppermint Oil is not only **"weed-free"** but every lot received is thoroughly tested organoleptically and chemically before the oil is passed through for actual sale.

That is why we unhesitatingly say that

"D & O" OIL PEPPERMINT is "Second to None"

We solicit your inquiries

DODGE & OLCOTT COMPANY

180 VARICK STREET NEW YORK, N. Y.

Boston Chicago Philadelphia St. Louis Los Angeles

Plant and Laboratories: Bayonne, N. J.

Agricultural Products Useful as Insecticides

Farmers in the United States are spending $100,000,000 this year to combat destructive insects, which cause an annual loss of $3,000,000,000, Dr. R. C. Roark, of the division of insecticide investigations, Bureau of Entomology and Plant Quarantine, United States Department of Agriculture, told the Milwaukee meeting of the American Chemical Society, September 7. "Insecticides of the future will be mostly organic compounds obtained from plants now regarded as worthless weeds, or synthesized from products of plant origin," Dr. Roark declared. The possibilities of constructive chemical research in this field are limitless and will, in his opinion, result in numerous new products of great economic value. Devil's shoestring, a weed which grows from Ontario to Florida, may enable the United States to become independent of foreign countries for its supply of rotenone, Dr. Roark said; scientists are now developing a strain of this plant which is high in rotenone.

Taking up details of the usefulness of agricultural products as insecticides, Dr. Roark said:—

Although the materials now largely used in combatting pests, namely, compounds of arsenic, fluorine, lead, copper and sulphur, are from the mineral kingdom, products derived from the vegetable kingdom are being used to an increasing extent. This is because many organic compounds are more toxic to insects but less toxic to man than lead arsenate and other inorganic poisons are.

Organic insecticides may exist naturally in plants, from which they can be removed by expression, extraction, or steam distillation. Nicotine, anabasine, the pyrethrins, rotenone, and peanut oil and other plant oils are examples. Products derived from plants by destructive distillation such as pinetar oil are also valuable insecticides. Synthetics derived from oils, alcohols, furfural, and other plant products appear especially promising as insecticides and are now coming into commercial use.

Insecticides derived from cultivated plants include nicotine from tobacco, pyrethrins from pyrethrum flowers, and rotenone from genera of the bean family.

The farm value of tobacco produced in the United States in 1936 was $250,364,000. From the stems and sweepings from cigar factories and off-grade and refuse tobacco there were produced about 1,000,000 pounds of nicotine, equivalent to 2,500,000 pounds of the commonly used 40 percent solution sold as nicotine sulphate solution. Nicotine is one of our most valuable insecticides. It can be used as a contact poison, as a stomach poison, and as a fumigant. Nicotine in certain fixed forms, for example, nicotine bentonite, shows promise of becoming a successful substitute for arsenate of lead for the control of the codling moth.

Pyrethrum flowers were imported into the United States to the extent for 20,000,000 pounds in 1937. Nearly all the world's supply comes from Japan, but significant quantities are now being grown in Jugoslavia, Kenya Colony, and Brazil. Pyrethrum flowers of satisfactory toxic content have been grown in several localities in the United States.

During 1937 the United States imported 570,341 pounds of derris from British Malay, the Netherland Indies, and the Philippine Islands, and 1,591,604 pounds of lonchocarpus root from Peru and Brazil. These plants contain the very powerful insecticide, rotenone. An idea of the potency of rotenone may be had when it is realized that when tested as a stomach poison on silkworms it is thirty times as poisonous as lead arsenate, and when tested as a contact poison upon bean aphids, it is fifteen times as toxic as nicotine. Goldfish are killed by rotenone at a concentration of 1 part in 13,000,000 parts of water, but to rats rotenone is only 1/100 as poisonous as lead arsenate. Rotenone possesses many of the properties of the hypothetical ideal insecticide, namely, a material which is toxic to insects at an economical dosage, which is not injurious to the host plant or animal sprayed or dusted with it, and which does not leave on food stuffs a residue that is poisonous to man or domestic animals.

In addition to the plants which are primarily or exclusively useful as insecticides, other agricultural products, including the oils derived from corn, cottonseed, soybeans, flaxseed and peanuts, have distinct value for this purpose. These oils may be used in the same way as petroleum oils. The plant oils possess a decided advantage over petroleum oils in that they are better solvents for other insecticides of greater potency. The use of rotenone and various synthetic compounds of high insecticidal value dissolved in oils is rapidly increasing in favor.

Soaps made from corn oil, cottonseed oil, soybean oil and other oils, possess high insecticidal value. The fatty acids derived from plant oils may be used in place of acetic acid in paris green and the resulting compounds have greater insecticidal value and are less phytocidal. A compound analogous to paris green, pre-

—*Continued on page* 52

Essential Oils, Aromatic Chemicals

Anise Prices Shaded Once Again—Cassia Displays Considerable Stability—Lemon and Orange Move Less Actively to Beverage Trade—Peppermint Shows Stability

Although signs of a revival of interest in the market for essential oils and aromatic chemicals were not lacking after the holiday that ended the vacation period, trade in the market as a whole was still along conservative lines and buyers kept purchases down to the requirements of the immediate future.

Prices were generally steady, regardless of the lack of the sustaining influence of normal consuming request. In fact, prevailing levels have reached levels so low as to create decided resistance to all attempts to beat them down further. Quotations prevailing seemed to be rockbottom and basic in character and prevailed at levels below which few if any suppliers were disposed to go even when firm orders were in the offing.

No over supply of spot stocks was reported. Almost without exception, holdings of the leading dealers in these entities had low inventories and the situation in that respect was such as to suggest that when larger, heavier and broader demand shall develop, prices on numerous articles were likely to undergo a considerable advance.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Anise, 1c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
69.2	69.2	69.8	84.0

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Angelica.—Root oil was on the easy side at $52 per pound and substantial reserves were in hand at that price. Seed oil lacked change, being very steady. Demand was light and routine.

Anise.—The market was lower at 76c. to 78c. per pound for U.S.P. oil in drums. The price was considered to be low and highly favorable for a covering of manufacturing requirements. Demand was not active nor large, but it had a steady quality as concerned moderate quantities.

Bay.—Well stabilized prices and market conditions prevailed on the spot and the condition here apparently dovetailed with that in the primary market. Stocks were of ample size.

Bergamot.—The market was distinctly routine in all respects and yet it was also a steady and well stabilized affair throughout the past week. Because of import cost, prices on spot were little subject to shading at any time.

Cajeput.—Business was moderate to light but lack of larger demand failed to have adverse effect on the price views of local suppliers. All sellers quoted a steady market and reported little competition in local circles.

Camphor.—The market on sassafrassy oil was distinctly firm and prices failed to yield in favor of those disposed to do business on the basis of bids. Undertones in the primary market tended to support those ruling on the spot.

Caraway.—The recent reduction in price brought the market to a basis tending to become firmer because of the lack of weakness in the foreign market. Sales were in fair volume at $1.85 to $1.90 per pound last week.

Cardamom. — Although there have been substantial declines in the quotations on raw material, local quotations on this oil have been well maintained, mainly because present stocks were made at a higher raw material cost.

Cassia.—Moderate demand was reported. Buyers bought slightly more than their immediate requirements but on the whole they were conservative in their purchases. Pricewise, the market had a steady quality that reflected fair firmness at the source and the uncertainty of substantial exports being made steadily to this country.

Cedarwood.—Sales during the past few months accounted for a fair tonnage being moved into consumer circles. Last week, the market was rather quiet on the whole but values were fully steady.

Clove.—Although the support given prices by demand current last week was not very great, the raw material cost tended to create price stability among the makers of this article. Also, their minimum price was sufficiently low to curb any tendency to shade by resellers. The cost of raw material seemed well stabilized.

Croton.—Demand was light, on a hand-to-mouth basis, and lacking in signs of an early broadening. Prices seemed to be steady and in line with the prevailing replacement cost.

Cubeb.—Small orders were reasonably numerous but volume was not very large and for the most part business was distinctly routine in all respects. Prices were steady in the absence of much competition.

Cypress.—Trade was in line with volume common to the article and the general market position was one of considerable stability and absence of unsettling competition between the not large number of suppliers on this market.

Dill.—The pickling season is directly ahead and sales into consuming channels have raised the movement of both weed and seed oil. Quotations continued steady at the fairly low basis prevalent for some time past.

Grapefruit.—Prices continued to rule steady. Production was kept down to limits set by the sales experience of producers since the article was first offered on the market. Foreign manufacturers have taken to the article more than have those in this country.

Ginger.—Fair trade was noted but the volume was built mostly of small orders. Large transactions were unusual. Prices held generally steady in most quarters and since raw material values have been established at fairly steady position, quotations were expected to be maintained.

Juniper Tar.—Price stability has been achieved. While stocks were not overly abundant, they were, apparently sufficient to meet the current requirements of most consumers. Replacements were not readily obtainable.

Lavender.—Some increase in sales to the soap manufacturers have been noted and the gain in consumer interest tended to create a firmer undertone during the past week without bringing any betterment in prices obtainable from manufacturing consumers.

Lemon. — Manufacturing consumers were in the market steadily but for quantities indicative of the approaching season when the beverage manufacturers' interest usually undertones a decrease. California oil was offered copiously at exceptionally attractive prices, but the Italian article was still very firm, notwithstanding.

Lemongrass.—Immediate demand for spot deliveries was not so very active but some gain in the purchase of import parcels was reported by agents of primary market shippers. Local quotations remained very steady.

Lime.—Routine request was current on spot and sales were said to have been smaller most of the time last week, this because of seasonal influence. Prices remained on the recent low levels of values but they also seemed to be somewhat steadier than they had been.

Orange.—Competition was still very keen so far as the sale of domestic oil was concerned. Values have been driven so low that the profit has been virtually eliminated. All kinds of this oil were fairly easy in undertone and demand was not very active.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Peppermint.—The market remained free from change in either price or basic position. Country prices were distinctly firm in all respects and signs of a relaxation of values were lacking. All sources of supply considered that prices were on an exceptionally low level.

Spearmint.—Fair stability governed on spot and in the primary market. The advent of new crop has not weakened values anywhere and most local dealers expected that present values would be bottom for the coming season of consumption.

Aromatic Chemicals

Benzaldehyde. — Routine but steady demand was reported on spot and the market shaped up well in comparison with that noted in recent weeks. Quotations were very steady.

Benzyl Compounds.—This group was steady as to price and consuming request. Sales volume was not much larger than the conservative size characteristic of the market for some time past. Competition was not very active.

Bromstyrol. — All qualities were steady in price and all were subject to

FITTED TO *serve* YOU BEST

Priced to Meet Your Costs

ORANGE OIL

for all manufacturing needs

MM&R has a wide range of Orange Oils for every purpose. Choice quality from primary markets available at lowest prevailing prices.

MAGNUS, MABEE & REYNARD, INC.

QUALITY ESSENTIAL OILS, BALSAMS, AROMATIC CHEMICALS, CONCENTRATED FLAVORS . . . Since 1895

16 DESBROSSES ST., N.Y.C.

OFFICES IN PRINCIPAL CITIES

MYSORE GOVERNMENT SANDALWOOD OIL

Distilled at Linden, N. J. from selected Mysore Heartwood by Sole Distillers and Selling Agents

W. J. BUSH & CO.

INCORPORATED

ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

D. W. HUTCHINSON & CO., Inc.

ESSENTIAL OILS

IMPORT Established 1896 EXPORT

162-164 FRONT STREET NEW YORK CITY

Headquarters for

PERFUME COMPOUNDS

True - FLAVORS - Imitation

ESSENTIAL OILS

BALSAMS

Peru - Copaiba - Oregon

H. C. RYLAND, Inc.

161-163 Water St., New York, N.Y.

Buyers Prefer "O-P-D" Market Information because it is Definite and Accurate

Exchange OIL of ORANGE

SWEET CALIFORNIA COLD PRESSED

Only once before in the history of the great California Fruit Growers' cooperative has the price of EXCHANGE BRAND Cold Pressed OIL of ORANGE, U. S. P. been as low as now. This means that users can reserve their season's requirements at bargain prices . . . the same fine quality, the same purity, and the same *dependable uniformity* GUARANTEED ! Let us quote you immediately.

FRITZSCHE BROTHERS, Inc.

PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

BRANCH STOCKS

BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.

FACTORIES AT CLIFTON, N. J. AND GRASSE (ALPES MARITIMES) FRANCE

a demand comparing favorably with the quiet movement prevalent in the market over the past several weeks. Undertones were generally firm.

Cinnamic Alcohol.—Hand-to-mouth demand was the rule last week yet the market kept all of its recently very steady undertone and prices held in well maintained position, free from much competition.

Cinnamic Aldehyde.—Pure material had a fair call but it was little changed from the conservative movement noted for some time past. Undertones were steady.

Diethyl Phthalate.—Request was irregular most of the time last week and few orders in excess of jobbing size were booked. However, the price position of the material continued to be very steady.

Diphenyl Oxide.—A slightly wider requirement of manufacturing consumers reached the spot last week and there was a gain in the movement of jobbing lots into consumption. Prices were still well stabilized.

Ethyl Vanillin.—Competition was generally keen and conditions were favorable for those with firm orders to place. Open quotations lacked change, but they seemed to be comparatively easy.

Eucalyptol.—Gains in inquiry were noted but it was doubted that actual sales had increased more than conservatively during the past week. The tendency still was to buy close to actual needs.

Eugenol.—With makers of raw material holding prices in fairly stable position on the basis of recent declines, this item was steady throughout the past week and met with a not large and generally conventional consuming demand.

Hydroxycitronellal. — Values were well held and a fair consuming demand tended to keep market undertones steady and prices free from any tendency toward early change.

Linalool.—Quiet undertones governed on spot and the market displayed steady qualities that were in close harmony with well maintained prices and lack of unsettlement in the replacement market.

Musk.—Artificial material had a stable quality so far as prices were concerned and although competition was very keen, business was usually booked on the basis of full values.

Pelargol.—Soapers were conservative in their purchases but the movement still reached fair proportions and gave full support to prices prevalent for some time past.

Phenylethyl Alcohol.—Price stability was the outstanding characteristic of this article and with a fair request for moderate quantities reaching the spot last week, undertones continued to be firm.

Du Pont Co. Develops New Textile Dyestuffs

Two new dyestuffs for use in textiles have been developed by E. I. du Pont de Nemours & Co. A new direct color, "Pontamine" fast turquoise 8GL, has primarily brilliant, greenish blue shades. It may be applied to cotton, viscose, rayon, silk, and wool as well as mixtures of these fibers.

The latest anthraquinone vat color, in the du Pont range is "Ponsol" blue GCL paste, which is of special interest for bright, greenish blue shade on cotton and for its exceptional fastness to laundering with chlorine. It can be applied to all forms of cotton and viscose process rayon in all types of dyeing machines. It is also recommended for printing.

Agricultural Products Useful as Insecticides

—Continued from page 50

pared from peanut oil, appears particularly promising as a poison for the control of leaf-eating insects and yet does not harm the most delicate foliage. About 3,000,000 pounds of paris green are consumed annually in the United States.

Many species of plants contain constituents that have marked insecticidal value. Most of these plants are not produced as crops and their potential economic value is ignored, yet they can be cultivated without competing with other crops. Some of them can be grown on land poorly adapted for general agricultural use.

"Cooperative work between the Texas Agricultural College and the United States Department of Agriculture is now under way to develop a strain of this plant high in rotenone. This undertaking may lead to making the United States independent of foreign countries for its supply of rotenone."

Trade Briefs

Jefferson Island Salt Company plans an increase in its capital stock from 20,000 to 22,500 shares of no par value.

Soapmaking equipment has been installed in the Tennessee State penitentiary to provide an additional class of employment for the inmates.

Robert Wilson of the Dow Chemical Company, this city, sailed September 7 on the S. S. Manhattan for a five weeks' vacation in England, France and Belgium.

T. Carey Bailey, of James Bailey & Son, pharmaceutical manufacturer, Baltimore, has planned a big game hunting trip to the wilds of Labrador for October next.

Hinshelwood Paint & Oil Company of Egypt, with a capital of 10,000 Egyptian pounds, will shortly erect a plant for the manufacture of paints, pigments, and varnishes.

British exports of chemicals, drugs, dyes, and colors in June had a total value of £1,716,000. This compared with £1,891,300 in May and £2,307,400 in June, 1937.

Medicinal and toiletry manufacturers in Panama have been listed by the Bureau of Foreign and Domestic Commerce, Washington, D. C. The list is available at 10 cents each.

Davison Chemical Corporation, Baltimore, which owned a minority interest in the Oberphos Company since March, 1935, has acquired the balance of the capital stock of that company.

Dr. F. O. Clements, technical director of the research laboratories of the General Motors Corporation, has been made an honorary member of the American Society for Testing Materials.

British chemical industry in 1937 added fourteen new factories, extended six, and closed thirteen, according to the annual survey of industrial development by the Board of Trade.

Kirk Manufacturing Company's celluloid plant at 9108 South Graham avenue, Los Angeles, was badly damaged by an explosion and fire September 1, with a loss estimated at $50,000.

Drug Travelers Association of Texas is sponsoring merchandising clinic to be held in the Hotel Plaza, San Antonio, September 15-16. Ralph A. Beegle, commercial pharmacy professor of the University of Oklahoma, will be in charge.

Paint, Varnish, Lacquer Sales Off

The value of paint, varnish, lacquer and fillers sold in July, as reported by 680 establishments to the Bureau of Census, was $27,946,084. Details of sales reported by these establishments and comparative data for 1938 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1938.						
January	$22,115,195	$11,448,115	$8,282,661	$5,748,170	$2,534,491	$2,384,419
February	22,625,906	12,535,636	7,942,419	5,455,659	2,486,760	2,147,851
March	30,728,890	17,227,950	10,417,161	7,285,635	3,131,526	3,083,779
April	34,731,597	20,861,998	10,392,797	7,498,010	2,894,787	3,476,802
May	36,827,421	22,900,709	10,135,607	7,292,333	2,843,274	3,791,105
June	33,936,706	20,767,900	9,763,856	7,049,096	2,714,760	3,404,950
July	27,946,084	16,368,159	8,806,128	6,384,620	2,421,508	2,771,797
Totals, 7 mos.	$208,911,799	$122,110,467	$65,740,629	$46,713,523	$19,027,106	$21,060,703
1937.						
January to June	235,058,533	122,543,354	99,830,939	65,693,921	25,137,018	21,684,240
July	36,004,636	18,502,323	14,186,572	9,763,920	4,422,652	3,315,741
Totals, 7 mos.	$271,063,169	$141,045,677	$105,017,511	$75,457,841	$29,559,670	$24,999,981
August	35,305,043	18,521,006	13,517,878	9,230,886	4,286,992	3,266,159
September	34,489,882	18,166,243	12,993,944	9,023,194	3,970,750	3,329,695
October	32,791,845	16,256,222	13,447,493	8,761,135	4,686,358	3,088,130
November	26,105,315	12,790,654	10,889,719	7,169,000	3,720,719	2,424,942
December	19,348,567	9,088,658	8,293,742	5,653,369	2,640,373	1,966,167
Totals, year	$419,103,821	$215,868,460	$164,160,287	$115,295,425	$48,864,862	$39,075,074

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

Two-hundred-forty-fourth Instalment

Marine Animal Oils

Catalysts Used in Hydrogenating Marine Animal Oils

(Continued from September 5 issue)

Copper carbonate
Copper hydroxide
Copper oxide
Copper suboxide
Copper sulphate
Didyium
Didyium carbide
Didyium oxide
Didyium salts
Hydrochloric acid
Hydrogen, purified
Iron
Iron, colloidal
Iron carbide
Iron carbonate
Iron carbonyl
Iron compounds
Iron hydroxide
Iron oxides
Iron suboxides
Iron silicide
Lanthanum
Lanthanum carbide
Lanthanum oxide
Lanthanum salts
Lead-methyl
Manganese
Mercury-methyl
Metal carbonates
Metal hydroxides
Metal oxides
Metal suboxides
Metals
Molybdenum
Nickel
Nickel colloidal
Nickel carbide
Nickel carbonate
Nickel carbonyl
Nickel hydroxide
Nickel oleate
Nickel oxide
Nickel silicide
Nickel suboxide
Osmium
Palladium
Platinum
Rare earth metals
Selenium
Silica
Tellurium
Thallium-methyl
Thorium
Thorium carbide
Thorium oxide
Thorium salts
Titanium
Vanadium
Water-gas
Zinc
Zinc carbonate
Zinc hydroxide
Zinc oxide
Zinc suboxide
Zinc-Methyl
Zirconium

Catalyst Carriers in the Hydrogenation of Marine Animal Oils

Animal-black
Asbestos
Boneblack
Carbonaceous material
Carbon-black
Coke
Charcoal
Clay
Fuller's earth
Gasblack
Graphite
Infusorial earth
Lampblack
Pumice

Extractants for Marine Animal Oils

Acetone
Alcohol
Benzene
Carbon bisulphide
Carbon tetrachloride
Chloroform
Dichloroethylene
Dichloromethane
Ethyl ether
Ethylene chloride
Ethylene dichloride
Ethylene trichloride
Fixed oils
Glycol diacetate
Hexachloroethane
Isopropyl alcohol
Methanol
Methyl acetate
Methylene chloride
Naphtha
Pentachloroethane
Perchloroethylene
Petroleum ether
Steam (in distillation)
Tetrachloroethane
Tetrachloroethylene
Tetrahydronaphthalene
Tetralin
Trichloromethylene

Filter Agents for Marine Animal Oils

Absorbit
Alkalies
Bayer charcoal
Carbrox
Caustic soda
Charcoal
Darco
Decolorit
Decolorizing carbon
Diafilt
Fossilite
Fuller's earth
Kieselguhr
Klearit
Norit
Suchar
Super-filtchar

Reagents for Removing Free Fatty Acids from Marine Animal Oils

Alkali hydroxides
Ammonium hydroxide
Barium hydroxide
Calcium hydroxide
Potassium hydroxide
Sodium hydroxide

Solvents for Marine Animal Oils

Alcohol
Acetone
Amyl acetate
Amyl alcohol
Amyl propionate
Amylacetyl ester
Benzene
Butyl acetate
Butyl alcohol, normal
Butyl alcohol, secondary
Butyl butyrate
Butyl propionate
Butylcellosolve
Carbon bisulphide
Cellosolve
Chloroform
Cyclohexanol acetate
Cyclohexanone
Diacetone alcohol
Dichlorhydrin
Dichloroethyl ether
Diethylene oxide
Diethyleneglycol monoacetate
Diethyleneglycol monoethylether
Dioxan
Epichlorhydrin
Ether
Ethyl acetate
Ethyl alcohol
Ethyl ether
Ethyleneglycol
Ethyleneglycol diethylether
Ethyleneglycol ethylether
Ethyleneglycol isoamylether
Ethyleneglycol isobutylether
Ethyleneglycol isopropylether
Ethyleneglycol methylether
Ethyleneglycol propylether
Glycol diacetate
Glycol diethylether
Glycol ethylacetate
Glycol monoacetate
Glycol monobutylether
Glycol monomethylether
Isopropyl acetate
Methyl acetate
Methylcellosolve
Methylcyclohexanone
Petroleum ether
Propylene oxide
Propyleneglycol
Propyleneglycol isopropylether
Propyleneglycol methylether
Tetraethyleneglycol ethylether
Triethyleneglycol ethylether
Turpentine

Thickeners for Marine Animal Oils

Aluminum oleate
Aluminum palmitate
Aluminum stearate
Ammonium linoleate
Ammonium oleate
Ammonium palmitate
Ammonium stearate
Animal waxes
Glycopon 2A
Mineral waxes
Palmitic acid
Paraffin
Sodium palmitate
Sodium stearate
Stearin
Vegetable waxes
Waxes

Marine Paints

Antifouling Ingredients for Marine Paints

Alkyl-lead phenolates
Ammoniated mercury
Amyl-lead phenolate
Arsenated soaps
Arsenic oxide
Arsenic with green soap
Aryl-lead phenolate
Aseptex
Barium silicofluoride
Beta-4-hydroxy-3-carboxyphenyloctane
Bis-alkyl xanthates
Bis-alkyl xanthogens
Bis-cromochlorohydroxyphenylmethane
Bis-3:5-dichlor-2-hydroxyphenylmethane
Bis-2:4:6-trichlor-3-hydroxyphenylmethane
Borosalicylic acid
Butyl-lead phenolate
Calcium silicofluoride
5-Chlor-2-hydroxydiphenylmethane
5-Chlor-2-hydroxy-4'-methyldiphenylmethane
5-Chlor-2-hydroxy-4'-sulphodiphenylmethane
Chlorinated 3:5-dichlor-2-hydroxyphenylmethane
Chlorinated rubber with—
(1) Arsenic compounds
(2) Arsenic oxide
(3) Copper compounds
(4) Copper oxide
(5) Mercury compounds
(6) Mercury oxides
(1) Zinc compounds
(8) Zinc oxide
Chloroxyphenol
Chromyl acetate
Condensation products of—
(1) Aldehyde and phenol
(2) Benzyl alcohol with parachlorophenol

(To be continued)

Petroleum Solvents, Lubricants, Fuels

Sluggishness Prevails as Intra-Seasonal Changes Begin—Industrial Oil Prices Steady—Crude Output Off—Corning Grade Prices Are Lowered

Uncertainty over the security of the crude oil price structure and the intra-seasonal change of interest from gasoline to burning oils gave the petroleum market a very sluggish appearance last week. Broadened purchasing interest in fuel oils was one of the features of the week.

Petroleum products used as raw materials for industry moved along a different course from the general oil market. Prices for these materials were generally steady. Solvents and naphtha cuts were favored with a buying flurry following the turn of the month but the demands for supplies of these products dwindled as last week progressed. Some of the larger buyers of petrolatum were reported to have been in the market and paraffin wax managed to hold some of its recent attraction. White oils were a little more active than they were in August.

Daily average production of crude oil in United States for the week ended September 3 was 3,349,100 barrels, a decrease of 39,400 barrels from the preceding week, according to the estimates of the American Petroleum Institute. The average for four weeks ended September 3 was 3,372,550 barrels, and the average at this time a year ago was 3,692,500 barrels. Runs to stills for the week ended September 3 were reported to A. P. I. by companies controlling 85.5 percent of refinery operation as having averaged 2,878,000 barrels per day for 80.7 percent of operation. An additional 317,000 barrels was estimated to have been sent to stills unreported for a total estimated average of 3,195,000 barrels, against 3,255,000 barrels in the preceding week. The average for September, 1937, was 3,450,000 barrels. Crude oil stocks reported by the Bureau of Mines totaled 285,029,000 barrels August 37, against 285,137,000 barrels August 20 and 286,251,000 barrels August 13.

Solvents and Diluents

The recent break in crude oil prices in the East Texas field did not have any open influence on the position of the solvents and naphtha cuts at the refineries. The Midcontinent producers of these products continued to quote at the price levels they have been asking for some weeks; the Eastern refiners have not changed prices in a long while. There was a flurry of buying interest after the turn of the month but at the time of this writing, the sellers say that the demands were petering out.

Lacquer Diluents.—There were some fair-sized amounts shipped out of refinery points after the first of the month but the demands dwindled toward the end of last week. The Midcontinent market basis for tankcar quantities continued at 7⅜c. per gallon, basis Group 3.

Petroleum Thinners.—Conditions surrounding the market were little different from a week ago. Some increase of ordering took place after the turn of the month but the market settled into a quiet position as last week progressed. The basic price for tankcar quantities at the refineries continued at 5⅜c. per gallon, basis Group 3.

Rubber Solvents. — Some improvements have been reported on the demand side but sellers expect considerably more from the tire manufacturers when operations are stepped up for October and the final quarter of the year. Prices were steady and unaffected by the recent drop in the price of crude oil at East Texas.

Stoddard Solvent.—A seasonal drop in consumption is expected at this time of the year, albeit the demands have been holding up fairly well so far. Prices continued unchanged at all refinery and marketing points.

V. M. & P. Naphthas.—Local refiners reported a flurry of buying after the turn of the month but the demands were less active as last week progressed. The break in the East Texas crude price did not influence the price of this solvent which was based at 6⅜c. per gallon, f.o.b. Group 3.

Markets at Other Centers

Chicago, Sept. 8.—The petroleum solvent and diluent market held quiet and about unchanged. Buyers were not anxious to step out of the more or less routine type of dealings which has characterized this market recently. Prices now prevailing are about the same as those for some time. Inquiries have been along mostly moderate lines. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 4½c. to 4⅝c. per gallon; cleaners' naphtha,, 6⅜c. to 6½c., tankcare; 17.8c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.5., tankwagon: lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 16.2c., tankwagon; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, Sept. 7.—Quiet prevailed in solvents with important activity occuring only in light cleaners naphthas which were quoted at 6⅜c. to 6⅝c. per gallon. Stoddard, petroleum thinners and others were unchanged.

Lighter Fractions

Light hydrocarbon fractions used as industrial solvents passed another routine period last week. Buyers were not disposed to take on more than what they needed for prompt use. Prices quoted by leading suppliers of these materials have not changed for some time.

Butanes.—The tankcar price for the 16-34 degree product remained at the long standing basis of 3¾c. per gallon f.o.b. Group 3. The most recent reports from sellers indicated that the industrial demands were routine.

Hexanes.—In company with other light gaseous solvents, the position of this material was unchanged from its long standing basis. Tanks of normal grade were 10½c. per gallon, while the laboratory grade in drum cars was 14c. per gallon, f.o.b. Group 3.

Petrolatums and Waxes

White Mineral Oils.—The market has been favored with a slight lift of purchasing interest. Requests for shipments against contracts were somewhat more numerous. The price side of the market seemed a little firmer than it was some weeks back.

Paraffin Waxes.—The 124-126 American melting point scale wax was quoted at 2.35c. to 2.45c. per pound, according to seller. The 122-124 grade remained at 2.40c. per pound. The lower melting point product was in light supply. Demands were relatively light last week. The fully refined waxes continued in a steady position at the low levels established in the middle of July.

CHICAGO, Sept. 8.—Refined wax was quiet. Prices were holding. The inquiries reported at present are rather limited. Stocks seem to be constituting a cause of some nervousness in certain quarters, but mostly the tone of the actual transactions is steady and little change in the general situation is apparent. Ruling prices are:—122-124, 4.25c. to 4.3c. per pound; 122-127, 4.35c. to 4.4c.; 127-129, 4.45c. to 4.5c.; 130-132, bulk or bag, 4.75c. to 4.8c.; 133-134, bulk or bag, 5c. to 5.05c.

TULSA, Sept. 8.—An active wax demand is found throughout the entire field for export and domestic use. The 124-26 American crude is moving freely at 2¼c. to 2⅜c. per pound. The market is in an exceeding strong position here.

Petrolatum.—There was not much new for the sellers to report. A real lift in business is not expected until the latter part of this month, but some of the larger buyers were reported to have been in the market in a fair way. Price-wise there have been no new developments.

Fuels and Lubricants

The Eastern refined oil market passed through the first stages of seasonal change last week. Gasoline jobbers were limiting their purchases to immediate needs while the fuel oil distributors were taking out larger quantities of their specialty. Kerosene was also a little livelier and one of the refiners here raised the tankcar price of kerosene on Friday. Tankcar gasoline prices were lowered by another refiner here but the "going" market was lower than the newly reduced posted price.

Tankwagon Price Changes

NEW ENGLAND.—Socony-Vacuum Oil Company reduced tankwagon gasoline prices ½c. per gallon throughout many sections of the New England area on September 9.

PHILADELPHIA.——Marketers of gasoline in Philadelphia reduced retail prices up to 2½c. per gallon under heavy competition. Regular grades were selling at 13½c. per gallon in some sections of the city.

Market Conditions

Gasoline.—Tankcar lots of 65 octane material were still available in the local market at 6½c. per gallon, basis refineries; barge lots were reported available at 6¼c. per gallon. These prices were below the so-called posted level which was reduced ¼c. per gallon last week by one refiner. Buying was quite modest and jobbing interests were indisposed to cover beyond immediate needs. The nation's stocks of gasoline for the week ended September 3 dropped to 70,514,000 barrels from 71,754,000 barrels during the preceding week. Steaks at this time a year ago were 66,618,000 barrels, according to the A.P.I. estimate.

Kerosene.—One refiner advanced the price of 41-43 water white material ¼c. per gallon on Friday of last week to the basis of 5c. per gallon for tankcars at the refinery. Others continued to quote 4¾c. per gallon at the time of this writing, but it is not unlikely that a general advance to the 5c. level would take place at this time. Heavier consumption is not far off and some of the refiners reported a brisker demand last week.

Fuel and Gas Oils.—Retail deliveries of fuel oil in the metropolitan zone were much heavier last week and tankcar buying was also reported on a much broader scale. Further gains in consumption are expected as the colder

Outputs and Quotas

A comparison of Bureau of Mines calculations for September productions, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended September 3, follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	528,300	428,000	432,400
Kansas	168,000	165,000	161,200
Texas 1	,398,600	†1,169,493	1,387,300
Louisiana ..	255,300	260,260	266,450
Arkansas ...	53,700	.....	56,900
Eastern	149,300	.....	169,300
Michigan ...	57,000	.....	49,700
Wyoming ...	65,600	.....	50,850
Montana ...	14,000	.....	12,650
Colorado ...	4,600	.....	3,600
New Mexico.	111,600	106,000	106,950
California ..	638,300	‡615,000	651,800
Totals 3	,444,300	.....	3,349,100

* These are Bureau of Mines' calculations of the demand for domestic crude oil based upon certain premises outlined in its detailed forecast for the month of September. As demand may be supplied either from stocks or from new production, contemplated withdrawals from crude oil stocks must be deducted from the Bureau's estimate of demand to determine the amount of new crude oil to be produced.

† Base allowable effective September 1. Saturday and Sunday shut-downs effective throughout month. Calculated net seven-day allowable for week ended Saturday morning, September 3, approximately 1,225,000 barrels daily.

‡ Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

Lower district Pennsylvania crude was reduced 12c. per barrel and Corning grade crude in Buckeye lines was reduced 10c. per barrel. Retail gasoline prices were lowered in Philadelphia and in some sections of New England.

	Sept. 9	Sept. 2	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.228	$1.238	$1.399
Gasoline prices at refineries (at four refining centers) per gallon	.050625	.050625	.056875

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
KAN. BLDG. CHARLESTON, W.VA.

★ STARLIGHT PETROLATUM ★
Refined in all grades for over 45 years
STARLIGHT REFINING COMPANY Karns City, Pa.

SHERWOOD'S WHITE OILS
GUARANTEED QUALITY — ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

Neutroleum
ALPHA GAMMA
For complete neutralization of offensive odors, this aromatic concentrate has proved its effectiveness in hundreds of widely-dissimilar, technical products. Its use means new appeal for the odor-handicapped product — and at negligible cost. Results instantaneous. Investigate.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938	1937
	Jan. 1-Sept. 10	Jan. 1-Sept. 10
Commercial crude oil production	839,135,000	872,223,000
	Week ended Sept. 10, 1938	Week ended Sept. 11, 1937
Daily average production	3,325,300	3,693,700
	Week ended Sept. 3, 1938	Week ended Aug. 27, 1938
Estimated motor fuel stock total	70,514,000	71,754,000
Estimated finished motor fuel stock at refineries	38,723,000	39,087,000

weather comes. Stocks of residual fuel oils at refineries September 3 totaled 117,701,000 barrels, against 117,179,000 barrels in the preceding week, and 86,678,000 barrels at this time last year. Marine oils were steady and unchanged in price. Pennsylvania oils continued unchanged at the low levels that have been in force. Refiners were able to move considerably larger quantities of bright stocks and cylinder oils.

Crude Oil Price Changes

Pennsylvania

Pennzoil Company reduced posted prices for lower district Pennsylvania grade crude 12c. per barrel September 1. The prices now ranged from $1.56 to $1.61 per barrel.

The Joseph Seep Purcnasing Agency of the South Penn Oil Company reduced posted prices for Corning grade crude 10c. per barrel, September 3. The price is now $1.07 per barrel.

Markets at Other Centers

Tulsa, Sept. 8.—With the peak of gasoline consumption past and a declining volume trend already apparent, the light oil end of the refined oil market has become sluggish. There is very little interest in gasoline and offerings were accumulating at the end of the week as jobbers were adopting a hand-to-mouth buying policy. The only interest that appeared in the market this week was concentrated on burning oils. There has been a material pick up in trading in all grades as buyers are frantically seeking sources of supply. While prices have not yet responded to the tight condition, buyers are willing to pay the top prices in order to fill requirements. Then due to the slowing down of gasoline, refiners appear more willing to feed some of the production to meet the demand.

On the whole the refined price structure lacks vigor. The lubricating oil department is still soft due to the abundance of offerings from the Eastern markets at concessions from the Midcontinent price. The fuel oil department is also weak in the low grade with large spreads available.

The softness in gasoline this week, although not serious, had not caused further shading of prices but in view of the uncertainty of the crude oil situation involving prices, there appeared an undertone of dissatisfaction with market conditions.

The weakness in the crude oil price structure appeared to spread, although no further changes in prices were announced. It has caused uncertainty throughout the distributing areas which is contributing to a postponement of orders. Consequently there is no forward buying in any department of the market with the exception of wax. This is the most active department of the entire market and the week has brought a substantial increase in orders. Following are the approximate prices for products traded in the Midcontinent market on the basis of Group 3 quotations.

GASOLINE.—U. S. motor below 62 octane is available at 4¼c. per gallon throughout the Midcontinent, while material short of specifications was available at 4c. per gallon. There is pressure on the market as offerings from several districts were being made on the basis of 4c. per gallon, Group 3. The 63-66 octane was quoted 4⅜c. to 4⅝c. per gallon, while the 67-69 octane was 4⅝c. to 4⅞c. per gallon. The 68-70 was 5c. to 5⅛c. per gallon, while the 70-72 house brand was 5⅛c. to 5¼c. per gallon.

NATURAL GASOLINE.—Buoyancy is disappearing as a result of the softeness in motor fuel. Quotations were unchanged with the 26-70 grade continuing at 3¼c. per gallon in Texas and Oklahoma. The volume of business is smaller with practically no jobber business being effected. The 18 and 22-pound grades are also unchanged.

DISTILLATES.—The market is purely nominal, with buyers bidding anxiously at last week's level of quotations, but failing to obtain material. There is a serious shortage of all grades at current prices, with integrated units looking for supplies. The number one continues to be quoted at 3⅝c. to 3¾c. per gallon with the latter quotation prevailing for the prime white product. The number two straw is 3½c. to 3⅝c. per gallon. Gas oils are variously quoted from 3¼c. to 3⅜c. per gallon.

FUEL OILS.—There is still no change in this market with the heavy grades of high cold test and high viscosities exerting pressure on prices. The gravities up to 15 are available from 37½c. to 65c. per barrel, while the 24-28 gravity low cold test (zero) is $1 per barrel, with the high cold test at 85c. per barrel.

LUBRICANTS.—Although there is promise of an improvement in this market, the tone is still unsatisfactory. Offerings exceed the demand causing a continuance of weakness throughout the Middlewest. Quotations are unchanged with the volume of business light.

Chicago, Sept. 8.—A continued easing tone seems to characterize the tankcar gasoline market currently. Jobbers have been enjoying a relatively good business throughout the late Summer, and most of them had a good Labor Day gallonage. However, offerings have been fairly large recently, resulting in a not too steady market situation. Third-grade gasoline is somewhat easier than recently was the case. Kerosene is steadier than in August, with Fall plowing coming on. Heating oils now are attracting more attention as a seasonal situation, and shipments to the trade have been increasing. Heavy fuels continue to mark time, with fair orders but tone not strong. Industrial gas oils are stiff. Lubricating oils have been doing better lately.

GASOLINE.—Low octane motor, 4½c. to 4¾c. per gallon; 63-66 octane motor, 4¾c. to 5c.; 67-69 octane motor, 5c. to 5¼c.; 70-72 motor, regular, 5¼c. to 5½c.; 60-62, 400, 4½c. to 4¾c.; 64-66, 375, 4¾c. to 5c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4¼c. to 4½c. per gallon; 41-43, water white, 4c. to 4¼c.

FURNACE OILS.—Range oil, 3⅞c. to 4⅛c. per gallon; No. 1 white, 3¾c. to 4c.; No. 1 straw, 3⅝c. to 3⅞c.; No. 2 straw, 3½c. to 3¾c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Sept. 6.—A ⅛c. decrease was noted on all grades of gasoline during the past week, other commodities remaining unchcanged in price. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 5⅞c.; U. S. motor below 62 octane at 5⅞c.; 63-67 octane at 6⅛c. and 68-70 octane at 6½c.—all prices being on a per gallon rate at refinery.

The price of kerosene remained firm at 7½c. per gallon at refinery.

Bunker C fuel oil was quoted at 75c. per barrel at terminal and 80c. per barrel delivered alongside, while industrial plants in this vicinity were quoted at $1.46 per barrel, delivered.

Mexico to Use Oil For Barter Deals

—Continued from page 3

shipping costs from California. It is also understood that Davis & Co. are negotiating with the Mexican government to rebuild three existing oil refineries and construct a new one, and this would involve the purchase of refinery equipment in Germany. In addition it would mean that Mexico would be in a position to export high grade refined petroleum products to Central and South American countries now largely supplied by United States refiners.

During the first half of 1938, exports from the United States to Mexico were only $34,200,000 in comparison with $53,700,000 during the first half of 1937, a loss of more than 36 percent. Part of this is due to high tariffs, unstable currency, and depressed economic conditions accentuated by the expropriation of the oil companies, but the effects of the barter transactions are now becoming noticeable. During the first two months of 1938 our exports to Mexico were higher than during the first two months of 1937, and were off only slightly in March, so that practically all of the export loss has occurred since the expropriation of the oil properties.

The Mexican Supreme Court has denied the appeal of American and British oil companies against the Labor Board's annulment of their collective contract and ordered the concerns to pay the former employees severance pay amounting to $30,000,000. However, this ruling does not alter the prime question of the constitutionality of the expropriations, which is pending in the court.

Trade Briefs

Filtrol Company of California plans the construction of a new laboratory building at 1755 Downey road, Los Angeles.

Socony-Vacuum Company's plant at Paulsboro, N. J., was damaged by fire August 24. The damage was estimated at $500,000.

Barnsdall Corporation's plant at Odessa, Tex., was wrecked by a series of explosions and fire August 30. Three workmen were killed.

Joseph W. McIntosh, a former Federal Comptroller of the Currency, has been elected to the directorate of the Pure Oil Company, Chicago.

Gulf Pipeline Company, a subsidiary of the Gulf Oil Company of Louisiana, has been valued by the Interstate Commerce Commission at $11,150,000.

A. T. Roberts, treasurer of the Socony-Vacuum Oil Company, will assume the office and duties of comptroller November 1, 1938, succeeding R. S. Durkee.

Norval F. Myers has been appointed manager of refineries for the Union Oil Company of California, with headquarters in Los Angeles. He was formerly manager of the company's refinery at Oleum, Calif.

Arkansas Pipeline Corporation has been valued by the Interstate Commerce Commission at $1,000,000. The company is a subsidiary of the Arkansas Natural Gas Corporation and used for common carrier purposes.

Dundrum Castle, a freighter which left Philadelphia August 22 for Cape Town, South Africa, with a cargo including kerosene and gasoline, was afire somewhere at sea, according to a report reaching the Philadelphia Maritime Exchange.

Consolidated Oil Corporation has called for redemption October 1 all of its outstanding preferred stock at 105 and accrued dividends. The company has obtained from private sources a twelve-year loan of $25,000,000.

Texas Oil Company tanker, Connecticut, which is being built at the Bathlehem Shipbuilding Corporation yards, Baltimore, was launched September 1. The tanker has been designed for service in tropical waters. It has a capacity of 4,300,000 gallons, with the tank space divided into thirty-five compartments, to permit the carrying of various grades of oil.

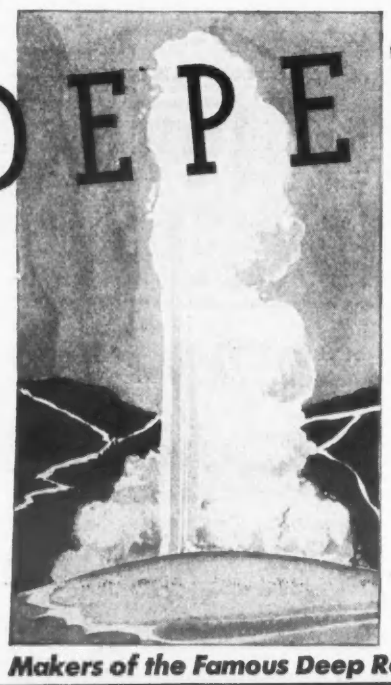
Standards Bureau Discusses 'Bottled' Petroleum Gases

The distribution and utilization of the hydrocarbon fuels which can be conveniently and economically transported and stored as liquids under pressure, but used as gases is a relatively new and rapidly growing industry, according to the National Bureau of Standards, Department of Commerce.

A "letter-circular," written to answer the large number of inquiries about these fuels received by the National Bureau of Standards has been revised and printed as circular C420 of that bureau. It describes the properties, sources and methods of distributing the gases.

There is a brief discussion of methods of storage and utilization, including the cost and uniformity of service, particularly with domestic appliances. Domestic systems using hydrocarbons which boil above ordinary household temperatures are included in the discussion. Leading distributors and trade names are listed.

Copies of this publication, "Propane, Butane, and Related Fuels," are obtainable from the Superintendent of Documents, Government Printing Office, Washington, D. C., for 5 cents each.



DEPENDABLE

.....AS "OLD FAITHFUL"

Delays of deliveries are costly. They interrupt production schedules. But you will not experience costly delays when you buy from Deep Rock . . . A DEPENDABLE SOURCE OF SUPPLY . . . known to the paint industry as refiners of superior quality Petroleum Thinners and Naphthas. Write us! We'd like to tell you more about Deep Rock products. Or, may we send you some samples? No obligation.

MINERAL SEAL OIL
LACQUER DILUENT — RUBBER SOLVENT
V. M. & P. NAPHTHA — STODDARD SOLVENT
NAPOLEUM SPIRITS — SPECIAL KEROSENES
INDUSTRIAL LUBRICANTS

Makers of the Famous Deep Rock Prize Motor Oils · Goes Farther · Lasts Longer!

DEEP ROCK OIL CORPORATION

GENERAL SALES OFFICE: 155 NORTH CLARK STREET, CHICAGO

Decatur Des Moines Milwaukee Minneapolis Oklahoma City Omaha St. Louis Tulsa

Refinery: Cushing, Oklahoma

Fertilizer Materials

Little Purchasing Interest Shown—September Cotton Crop Estimate 11,825,000 Bales—Price Movements Unimportant —Organic Ammoniates Have Not Much Life

Fertilizer manufacturers' interest in the purchase of raw materials was at a standstill last week and unless there is going to be a European war or some happening of equal gravity to stimulate investment purchase, the trade can see nothing but general market quiet for weeks ahead. Price movements during the week were few and unimportant. Thursday's cotton crop estimate of 11,825,000 bales was no more cheerful to the fertilizer producers than the earlier reports were.

Superphosphate manufacturers were reported to be stepping up manufacturing operations a little later than usual and were also said to be limiting production because of the small Fall consumption in the South and the uncertain prospects for consumption next Spring.

Mineral ammoniates were without new feature. Sulphate of ammonia producers were not pressing the trade for shipping instructions and the supply situation for the nearby delivery months at some of the mills was still tight. Nitrate of soda contract bookings in the North and middle West were reported good, but these sections represent only a small part of the total market and under the sales agency system in the South ordering there is usually withheld until the material is actually needed.

Organics have very little life these days. The menhaden fish catch has not shown much improvement and unless there are much better results during the remainder of September, the fishermen are likely to find themselves oversold.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Bone meal, 3 & 50, import., 50c. per ton.
Tankage, dom., Chicago, feed grade, 10c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	**66.3**	**66.3**	**66.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—Sellers were offering nitrate for delivery over the remainder of the season at the prices that prevailed through last season. Under the sales agency plan which has been in force for the past three years, Southern buyers of bagged nitrate do not come into the market until material is actually needed. In the North and the middle West where the sales agency contracts do not operate, early bookings have been fairly good.

Sulphate of Ammonia.—The market was rather quiet last week. Sellers were not pressing buyers for shipping instructions on material already purchased and while the supply side of the market is still rather tight for September and October delivery, the increased production over the past several weeks has loosened the supplies at some of the mill points.

Calcium Nitrate.—Sellers offered this material on the same basis as last year with $28 per ton named to fertilizer manufacturers for bagged material ex vessel North Atlantic ports or f.o.b. cars at South Atlantic ports. Sellers reported fairly good bookings of bulk cal-nitro.

Dried Blood.—There were no offerings for prompt delivery in the local New York market and the price of $2.75 per unit was purely nominal. The Chicago market also remained at $2.75 per unit. Imported material was $3.10 per unit with little buying interest shown.

Fish Scrap.—Japanese sardine meal for shipment from abroad was quite firm at $44 per ton, c.i.f. Several cars of spot material in New York sold at $43.50 per ton last week and at the time of this writing there was a little more available at that figure. The fish catch in Chesapeake waters has not been too good and unless there are marked improvements in the results over the remainder of September it is likely that the fishermen will not be able to deliver the full commitments made when the contracts were booked. Menhaden meal in Baltimore continued at $48 per ton.

Nitrogenous Material.—Some importers asked $2.75 per unit for materials for shipment from abroad, but there was no business done at that basis, according to reports. The domestic supplying markets were quiet.

Tankage.—Feeding grade in Chicago was lower at $2.65 and 10c. per unit-ton. was lower at $2.65 and 10c. per unit-ton, a reduction of 10c. from the preceding week. The fertilizer grade in Chicago was unchanged at $2.50 and 10c. per unit-ton. The New York markets were unchanged in price and very quiet. Imported material was nominally $3.10 and 10c. per unit-ton.

Urea-Ammonia Liquor. — Producers are sold up on their production and have no spot material to offer.

Potashes

The current discount of 5 percent expires at the end of this month. Orders placed prior to October 1 for spot delivery or for delivery in equal monthly quantities through December are subject to 5 percent discount, but list prices will prevail thereafter. As reported previously sellers do not expect to book much at the current discount as most buyers covered for the season at the higher discount available earlier.

Phosphates

Quiet continued to dominate the market for phosphate fertilizer materials. The only change in price reported during the week was a decline in imported 3 & 50 bone meal. The N.F.A. statistics on superphosphate for July showed production of 172,650 tons (equivalent tons of 16 percent a.p.a.) against 247,632 tons in July last year; total shipments were 131,557 tons against 169,264 tons last year; and end-of-month stocks at 1,238,060 tons against 1,094,702 tons at the end of July last year. All of the aforementioned tonnages are expressed in equivalent tons of 16 percent a.p.a.

Bone Materials.—Importers of 3 & 50 bone meal offered material in bags at 50c. per ton cheaper than a week ago with quotations at $22.50 per ton, c.i.f. There was very little interest in the market. According to the Department of Commerce, Argentine exports of bones to United Kingdom, Germany and the Union of South Africa totaled 16,863 metric tons during the first half of 1938.

Superphosphate.—Producers were not able to move much material from the piles at this time. The Baltimore prices continued in an unchanged position at $7.50 per ton for the run of the pile and $8 per ton for guaranteed 16 percent material, f.o.b. cars or vessel.

Phosphate Rock.—The domestic rock market's condition evidenced little change. Exports of rock from the French Protectorate in Morocco during the first half of 1938 totaled 756,492 metric tons, a decrease of 5 percent from the 798,363 metric tons reported for the corresponding period of 1937, according to the American Consulate at Casablanca. In contrast with the relatively small decline reported for Morocco, the exports of phosphate rock from Tunisia declined to 720,686 metric tons in the first half of 1938, a loss of over 26 percent from the 976,000 tons reported for the first half of 1937. Notwithstanding the adverse export situation, the production in Tunisia rose to 1,090,724 tons, whereas in 1937 only 77,500 tons were produced, according to the American Consulate at Tunis. In order to avoid competition and the consequent closing of certain mines in North Africa, the Comptoir des Phosphates d'Algerie et de Tunisie is drawing up agreements for the reallocation of foreign markets, states a report from Paris. The report adds that the Moroccan participation in the total deliveries of North African phosphate to European markets was 42 percent as compared with 36 percent in the first half of 1937.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Sulphur and Pyrites

Except for some improved ordering from the manufacturers of superphosphate, the suppliers of sulphur have not obtained any additional business so far this month. Sulphur interests were counting on the promise of increased activity from the automobile industry, but to date the increase in the demand for sulphuric acid for this purpose has not been sufficient to cause much replenishment of the sulphur piles at the steel mills. Of course, sulphur buyers usually have a supply on hand that should meet needs for anywhere from 30 to 120 days and some replacement buying may come into the market later in the month.

Markets at Other Centers

Atlanta, Sept. 7.—Interest in fertilizer materials in the Southeast continues low. Since the T.V.A. began free distribution of phosphates the Fall market for superphosphates in the South has dwindled, leaving fertilizer manufacturers little to do in supplying phosphates to farmers in the upper South for use under Fall sown grain crops.

Fertilizer manufacturers awaited the federal cotton crop report. The crop condition and the price of 8½ cents which the federal government is proposing to stabilize the market for middling grade does not make prospects bright. A federal concession for tobacco has improved the already bright outlook in that direction.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$8.40 per ton, interior producing points.

NITRATE OF SODA.—Bulk, ports, $27 per ton.

SULPHATE OF AMMONIA.—$25.75 per ton, producing plants; $26.75, ports.

COTTONSEED MEAL.—$23.50 to $24 per ton, interior mill points.

BLOOD.—$2.70 per unit, Chicago, basis.

TANKAGE.—$2.50 to $2.60 and 10c. per unit, basis Chicago.

Baltimore, Sept. 8.—The market for crude fertilizer materials has not as yet had an opportunity to extend itself. Buyers have shown no eagerness to get into the market. The current figures named are about as follows:—

FISH SCRAP.—The menhaden fishing has improved but the fish factories are short on the production of scrap and are not eager to take on additional orders. Most factories have contracts for quite a tonnage unfilled. Menhaden meal is quoted at $48 per ton in carload lots, with Japanese sardine meal at $44 per ton.

TANKAGE.—Feeding material, $2.90 and 10c. per unit-ton, with unground fertilizer supplies at $2.50 and 10c., and with unground feeding stocks at $2.70 and 10c. per unit-ton.

BLOOD.—Sales have been made at $2.75 per unit-ton.

SUPERPHOSPHATE.—Producers were still quoting $7.50 per ton for run of pile and $8 per ton for 16 percent., f.o.b. Baltimore.

BONE.—$22 per ton for 1 and 60; $24 per ton for 3 and 50 ground steamed, and $27 per ton for 4½ and 50 ground raw stocks, all c.i.f.

Chicago, Sept. 8.—The general fertilizer materials market continued quiet. Sellers mostly are holding their previously established positions as to prices on representative grades of material. Blood is nominal. Inquiries have been only fair. Tankage has been moving out fairly well, but without feature. Bone materials are quite slow, with normal conditions ruling, and with most buyers on the conservative side. Inventories are being kept down to a quite low level.

BLOOD.—Principal grade, $2.75 to $2.90 per unit of ammonia.

TANKAGE.—High grade, ground, $2.50 to $2.70 and 10c.; low grade, $18 to $20; hoof meal, $2.50 to $2.65; liquid stick, $1.75 to $2.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $19 to $20; 3 and 50 percent, $24 to $25; 4½ and 50 percent, $27 to $29; grinding hoofs, pigs' toes and waste horn materials, $40 to $50, mostly nominal; cattle jaws, skulls and knuckles,

Dead Sea Potash Exports Increased

OPD Washington Bureau
September 8, 1938

Exports of 80 percent muriate of potash produced by Palestine Potash, Ltd., in operations under its concession for the recovery of mineral salts from the water of the Dead Sea, increased from 18,124 tons in 1935 to 19,793 tons in 1936, and then jumped to 29,110 tons in 1937. The first stage of an extension scheme at the southern end of the Dead Sea was completed in May, 1937, approximately doubling the company's productive capacity, according to information received by the Department of Commerce from the consulate at Jerusalem.

A further advance has been reported for the first half of this year when exports of Dead Sea potash salts totaled 24,000 tons, compared with 8,000 tons in the corresponding period in 1937. Nearly all the potash produced under the concession is exported. To meet requirements of the local market for potash fertilizers the company recently began the manufacture of sulphate of potash.

Details of the destinations of 1937 exports are not yet available. The potash (80 percent muriate exported in 1936 was distributed as follows:—

	Tons.
Japan	8,699
Great Britain	2,344
Belgium	2,007
Australia	1,620
Netherlands	1,225
India	1,050
Ceylon	925
Austria	630
Czechoslovakia	560
Sweden	406
Italy	123
Other countries	204

In addition to potash salts, Palestine Potash, Ltd., produces from Dead Sea waters bromine, calcium chloride, chloride of magnesia, and common salt. Its exports of bromine increased from 478 tons in 1936 to 611 tons in 1938; Great Britain is the largest buyer of this material.

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

$18 to $19; pork cracklings, soft pressed, $37.50 to $40; beef cracklings, soft pressed, $27.50 to $30; hard pressed cracklings, per unit of protein, 52½c. to 57½c.

San Francisco, Sept. 6.—The trade is dipping into the crude fertilizer materials market sparingly these days and last week was practically a repetition of the previous one. Fish meal in nearby positions was more or less active at times, and a little interest was prevalent in blood and tankage. Chemical materials, however, were slow, as expected and it was seen that buyers were going to wait awhile before contracting for the balance of their requirements in sulphate of ammonia and other products. Deliveries are continuing in a small way into the truck gardening sections for late summer applications, but it will be several weeks yet until any good movement gets under way on the new contracts—probably in late October. Meantime, prices on organics are steady to a shade easier.

Ruling prices are:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles harbor. Inland points, delivered, $1 per ton extra. Prices in effect through June, 1939.

NITRATE OF SODA.—100-pound bags, $29 per ton, ex vessel or warehouse, San Francisco/Oakland; 200-pound bags, $28.30 per ton, ex vessel or warehouse, San Francisco/Oakland.

SUPERPHOSPHATE.—Domestic, 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Quoted at $40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra.

FISH MEAL.—California sardine meal, early delivery, is quoted on the basis of $36 per ton, f.o.b. cars, Monterey and $37 per ton, f.o.b. cars, San Francisco Bay. Washington and Oregon pilchard meal is quoted at $35.50 per ton, f.o.b. production point.

TANKAGE.—Fertilizer grade tankage, wet rendered, from domestic packing houses, quoted nominally on the basis of $2.50 to $2.60 and 10c. per unit-ton, f.o.b. cars, San Francisco. Higher grade, quoted at $3.10 and 10c. Dry rendered, ground, quoted on the basis of $35 per ton, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 60c. per unit of protein.

BLOOD MEAL.—Domestic, $2.70 per unit, nominally, f.o.b. cars, San Francisco.

Indiana Standard Oil Wins Michigan Fair Trade Case

Detroit, Sept. 2, 1938

The Standard Oil Company of Indiana was cleared of a charge of violating the Michigan fair tade laws when Judge Arthur E. Gordan dismissed a warrant by ruling that the State failed to show probable cause that any crime had been committed by the company in the sale of gasoline at tank car prices to S. M. Gershenson, operator of the Merchants Supply Company, who in turn sold to Neds Auto Supply Company, in which Gershenson is a partner. The complaint charged that the Neds Auto Supply Company obtained gasoline 1½ cents cheaper than that paid by most retailers. This was the second such case dismissed. A third is pending.

Current Market Quotations

—Continued from page 21

Xylol—Zirconium

X

Xylol (xylene), indus., dms., works	gal.	.31	—
tanks, E. of Omaha, frt. alld.	gal.	.26	—
W. Coast, f.o.b. Minnequa, Colo.	gal.	.26	—
nitration, dms., wks.	gal.	.42	—
tanks, E. of Omaha, frt. alld.	gal.	.33	—
W. Coast, f.o.b. Minnequa, Colo.	gal.	.33	—
5°, dms., works	gal.	.37	—
tanks, E. of Omaha, frt., alld.	gal.	.32	—
10°, dms., works	lb.	.34	—
tanks, E. of Omaha, frt. alld.	gal.	.29	—
Xylidin, mixed, dms	lb.	.35	.36

Y

Yara yara, cryst., cns	lb.	1.25	1.30
Yellow, cadmium, CP, import., bxs.	lb.	1.50	2.50
lithopone, all shades, bbls. 1 ton, works, frt. alld.	lb.	.45	—
smaller lots, same basis,	lb.	.50	—
kgs., ton lots, same basis,	lb.	.50	—
smaller lots, same basis,	lb.	.55	—
sulphide, orange, bbls., works,	lb.	.55	—

N.P.V.L.A. Convention Details Being Perfected

Details of the golden jubilee convention of the National Paint, Varnish and Lacquer Association, to be held at the Ambassador Hotel, Atlantic City, October 26-27-28, are being rapidly perfected.

The committee on arrangements and entertainment, of which William H. Jarden, jr., is chairman, has been meeting at intervals throughout the Summer months, and has just about completed its plans for the entertainment, the program of which will be issued this week.

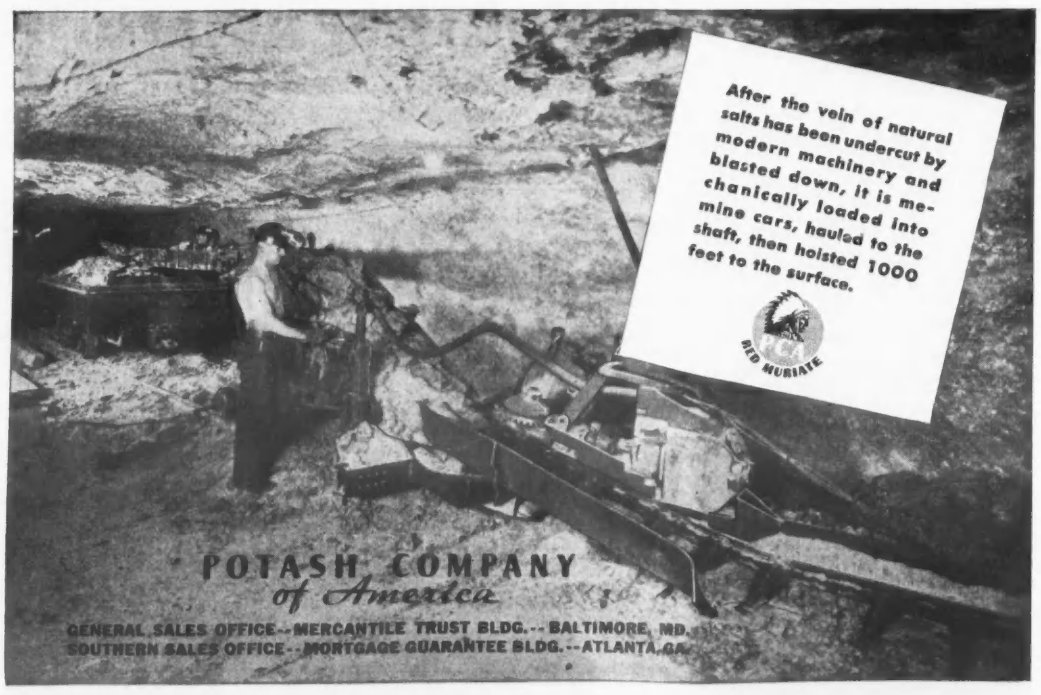
Accommodations at convention headquarters, the Ambassador hotel, have become exhausted, and in anticipation of this the Ritz-Carlton hotel, located immediately adjacent to the Ambassador, has long since been announced as the auxiliary convention hostelry, which has excellent accommodations of all kinds still available. Members are urged to send their reservations direct to the Ritz-Carlton.

The business sessions are also being worked on assiduously with a view to making the program as interesting and constructive as possible. All business is confronted with vexatious questions, and those especially of importance to the paint, varnish, lacquer and allied industries will be presented and discussed during the convention.

Yellow, chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.14½	—
open order	lb.	.15½	—
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch pink, bbls.	lb.	.09	.11
Hansa, bbls., same basis, chrome	lb.	1.37	—
Mercury oxide (see M).			
Ocher, Amer., golden, A, bbls., works	lb.	.06½	—
B, bbls., works	lb.	.04½	—
C, bbls., works	lb.	.03½	—
yellow, A, bbls., works	lb.	.02¾	—
B, bbls., works	lb.	.02½	—
C, bbls., works	lb.	.02	—
D, bbls., works	lb.	.0195	—
E, bbls., works	lb.	.01775	—
F, bbls., works	lb.	.01½	—
G, bbls., works	lb.	.01½	—
H, bbls., works	lb.	.01⅝	—
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import	lb.	.02475	—
New York (f.o.b.)	lb.	.02½	—
Philadelphia, for import	lb.	.02¾	—
Portland, Seattle	lb.	.03	—
San Pedro, S. Francisco	lb.	.0290	—
l.c.l., ex dock, Balto, Boston, N. Orleans	lb.	.02575	—
New York	lb.	.02½	—
Philadelphia, for import	lb.	.02¾	—
Portland, Seattle	lb.	.03½	—
San Pedro, S. Francisco	lb.	.03	—
ex whse., Balto., Boston, N. Orleans	lb.	.02725	—
Chicago, E. St. Louis, Indpolis, K. City, Milwauk., St. Louis,	lb.	.03⅝	—
Minneapolis	lb.	.03½	—
New York	lb.	.02¾	—
Pittsburgh	lb.	.03¼	—
Portland, Seattle	lb.	.03¾	—
San Pedro, S. Francisco	lb.	.03¼	—
f.o.b. N. Y., from dock,	lb.	.02¾	—
from whse.	lb.	.02¾	—
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y.	lb.	.04½	—
l.c.l., same basis	lb.	.04¾	—
synth., bbls., c.l., works	lb.	.06½	—
l.c.l., works	lb.	.06¾	—
Persian orange (see O).			
Zinc, bbls., same basis chrome CP. contracts	lb.	.18	—
open order	lb.	.19	—
Yellow dock root, bls.	lb.	.09	.10
Yellow root (xanthoriza), bls.	lb.	.09	.10
Yerba santa leaves, bls.	lb.	.08½	.10
Yohimbine hydrochloride, vls.	oz.	2.50	2.55

Z

Zinc acetate, tech., bbls., dlvd.	lb.	.21	—
USP., bbls., 250 lbs.	lb.	.27	—
kgs., 100 lbs.	lb.	.29	—
Arsenate, bgs., cs., c.l., dealers, E. of Rockies	lb.	.12½	—
c.l., bgs., cs.	lb.	.13	—
Arsenite, bgs., cs., c.l., dealers, E. of Rockies	lb.	.12½	—
W. of Rockies, bgs.	lb.	.12½	—
l.c.l., bgs., cs.	lb.	.13	—
W. of Rockies, bgs.	lb.	.12¾	—
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.			
Carbonate, tech., bbls.	lb.	.14	.15
USP, precip., powd., bbls.	lb.	.31	—
dms.	lb.	.36	—
kgs.	lb.	.33	—
Zinc, chloride, fused, dms., c.l., works	100 lbs.	4.25	—
l.c.l., works	100 lbs.	4.60	—
gran., dms., c.l., works, 100 lbs.		5.00	—
l.c.l., dms., works	100 lbs.	5.75	—
USP, 200-lb. dms.	lb.	.25	—
25 lb. jars	lb.	.31	—
solut., dms., wks.	lb.	.04½	—
tanks	lb.	.0226	—
Cyanide, kgs., works	lb.	.33	—
Dust, bbls., c. l., dlvd.	lb.	.06¾	—
l.c.l., bbls., dlvd.	lb.	.07¼	—
Fluoride, obls.	lb.	.20	.35
Iodide, N.F., bots.	lb.	4.35	—
jars	lb.	4.20	—
Metal (see daily quotations in Market report)			
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06½	.07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½	.07¾
ex whse., Pac. cst.,	lb.	.06½	.07¾
bbls., c.l., dlvd.	lb.	.06½	.07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	.08
ex whse., Pac. cst.	lb.	.06¾	.08
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¼	—
l.c.l., dlvd., except ex whse., Pac. cst.	lb.	.06¾	—
bbls., c.l., dlvd.	lb.	.06¾	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	—
ex whse., Pac. cst.	lb.	.06¾	—
85%, bgs., c.l., dlvd.	lb.	.0590	—
l.c.l., dlvd., except Pac. cst.	lb.	.0615	—
ex whse., Pac. cst.	lb.	.0615	—
bbls., c.l., dlvd.	lb.	.0615	—
l.c.l., dlvd., except Pac. cst.	lb.	.0640	—
ex whse., Pac. cst.	lb.	.0640	—
50%, bgs., c.l., dlvd.	lb.	.0592	—
l.c.l., dlvd., except Pac. cst.	lb.	.0617	—
ex whse., Pac. cst.	lb.	.0617	—
bbls., c.l., dlvd.	lb.	.0617	—
l.c.l., dlvd., except Pac. cst.	lb.	.0642	—
ex whse., Pac. cst.	lb.	.0642	—
French process, com'l lead-free, bgs., c.l., dlvd.	lb.	.06¼	.07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½	.07¾
Zinc oxide, French process, com'l lead-free, bgs., c.l., ex whse., Pac. cst.	lb.	.06½	.07¾
bbls., c.l., dlvd.	lb.	.06½	.07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	.08
ex whse., Pac. cst.	lb.	.06¾	.08
green seal, bgs., c.l., dlvd.	lb.	.08	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¼	—
ex whse., Pac. cst.	lb.	.08¼	—
bbls., c.l., dlvd.	lb.	.08¼	—
l.c.l., dlvd., except Pac. cst.	lb.	.08½	—
ex whse., Pac. cst.	lb.	.08½	—
red seal, bgs., c.l., dlvd.	lb.	.07½	—
l.c.l., dlvd., except Pac. cst.	lb.	.07¾	—
ex whse., Pac. cst.	lb.	.07¾	—
bbls., c.l., dlvd.	lb.	.07¾	—
l.c.l., dlvd., except Pac. cst.	lb.	.08	—
ex whse., Pac. cst.	lb.	.08	—
white seal, bgs., c.l., dlvd.,	lb.	.08½	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¾	—
ex whse., Pac. cst.	lb.	.08¾	—
bbls., c.l.	lb.	.08¾	—
l.c.l., dlvd., except Pac. cst.	lb.	.09	—
ex whse., Pac. cst.	lb.	.09	—
Import, gold seal, cks., ex whse.	lb.	.13	.14
green seal, bbls., ex whse.,	lb.	.10	—
white seal, cks., ex whse.,	lb.	.11	.12½
USP, bbls., c.l.	lb.	.09½	—
Palmitate, bbls.	lb.	.23	.25
Resinate, fused, pale, bbls.	lb.	.10	—
precip., dms., dlvd.	lb.	.15	—
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.20	—
l.c.l., 1 ton.	lb.	.21	—
1,000-2,000 lbs.	lb.	.22	—
less than 1,000 lbs.	lb.	.23	—
U.S.P., bbls.	lb.	.21	.25
Sulphate, cryst., bgs., c.l.	100 lbs.	2.75	—
l.c.l.	100 lbs.	3.50	—
bbls., c.l.	100 lbs.	2.90	—
l.c.l.	100 lbs.	3.65	—
flake, bgs., c.l.	100 lbs.	3.10	—
l.c.l.	100 lbs.	3.85	—
bbls., c.l.	100 lbs.	3.25	—
l.c.l.	100 lbs.	4.00	—
l.c.l.	100 lbs.	5.10	—
bbls., c.l.	100 lbs.	4.50	—
l.c.l.	100 lbs.	5.25	—
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.05¾	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08¾	—
bbls., c.l. (20 tons), dlvd.	lb.	.08¾	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08¾	—
Sulphocarbolate, NF, bbls.	lb.	.24	.26
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15	—
l.c.l., works	100 lbs.	5.50	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05	—
l.c.l., dlvd., except Pac. cst.	lb.	.05¼	—
ex whse., Pac. cst.	lb.	.05¼	—
Zirconium nitrate, kgs., work.	lb.	3.00	4.00
Oxide, crude, 73-75%, grd., bbls., works	ton.	75.00	100.00
kgs., small lots, works	lb.	.04¼	.04½
white, 98%, rgd., kgs., works,	lb.	1.40	1.52


After the vein of natural salts has been undercut by modern machinery and blasted down, it is mechanically loaded into mine cars, hauled to the shaft, then hoisted 1000 feet to the surface.
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE--MERCANTILE TRUST BLDG.--BALTIMORE, MD.
SOUTHERN SALES OFFICE--MORTGAGE GUARANTEE BLDG.--ATLANTA, GA.

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the September 5 issue; the next printing will be in the October 3 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 31.

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, CRESYLIC—1 cs, Monsanto Chem Co, Samaria, Liverpool
1 cs, Harbor Plymouth Corp, American Trader, London
HYDROFLUOSILICIC—200 crbys, 32,560 lbs, Deutschland, Hamburg
STEARIC—67 bgs, 5 tons, 3 cwts, 3 qtrs, 23 lbs, Orbis Product Corp, Samaria, Liverpool
ALBUMEN, DUCK—44 cs, D L Moss & Co, Tai Yang, Shanghai
ALCOHOL—1 cs, Dal Corp, Mormactide, Gdynia
4 cks, Roure Dupont, West Cusseta, Havre
ALMOND MEAL—15 kgs, S B Penick & Co, American Trader, London
ALOE—150 cs, Selma Mercantile Corp, Amor, Curacao
25 cs, Amor, Curacao
ALUMINUM LEAF—11 cs, Globe Shipping Co, Deutschland, Hamburg
62 cs, Rohner, Gehrig & Co, Queen Mary, Southampton
AMMONIA PHOSPHATE-DI—181 bgs, 40,172 lbs, Synthetic Nitrogen Prod Corp, Deutschland, Hamburg
ANGELICA ROOT—3 cs, W & A Gilbey, American Trader, London
ANNATTO SEED—23 bgs, Pablo Calvet & Co, Santa Maria, Guayaquil
ANTIMONY ORE—2,133 bgs, Philipp Bros, Santa Maria, Antofagasta
1,220 bgs, Bank of London South America, Southern Cross, Buenos Aires
ARROWROOT—10 cs, J P Smith & Co, American Trader, London
ARTIST'S MATERIAL—4 cs, Gallagher & Ascher, Nieuw Amsterdam, Rotterdam
ASBESTOS—20 bgs, Walker & Forbes, American Trader, London
4,060 bgs, Raw Asbestos Co, City of New York, Beira
450 bgs, Union Asbestos & Rubber Co, City of New York, Capetown
ASPHALT—1,541 cakes, Columbus, Bremen
330 bgs, A V Berner & Co, Orizaba, Havana
1 car, A V Berner & Co, Seatrain Havana, Havana
1,130 bgs, A V Berner & Co, Seatrain Havana, Havana
BABASSU KERNELS—5,832 bgs, General Food Corp, Polycarp, Para
BALSAM—6 dms, W R Grace & Co, Santa Elena, La Libertad
BARBASCO—138 bls, Venzamer Rotenone Corp, Southern Cross, Trinidad
BARIUM CHLORATE—20 kgs, International Selling Corp, West Cusseta, Havre
BLUE, BRONZE — 8 dms, Stanley Doggett, Nieuw Amsterdam, Rotterdam
BONE MEAL—1,102 bgs, H J Baker & Bros, Southern Cross, Buenos Aires
BONES—1 car, Geck Trading Corp, Seatrain New Orleans, Havana
1 car, Geck Trading Corp, Seatrain Havana, Havana
BRISTLES—1 bbl, H S Dorf & Co, Batory, Gdynia
8 cs, American Trader, London
3 cs, M Broverman & Sons, American Trader, London
20 cs, Dodwell & Co, Tai Yang, Hankow
50 cs, Tai Yang, Hongkong
25 cs, B C Ritchie & Co, Tai Yang, Shanghai
50 cs, National City Bank, Tai Yang, Kobe
18 cs, F H Cone & Co, Tai Yang, Shanghai
3 cs, Polack Co, Black Condor, Antwerp
BRONZE POWDER — 37 dms, Columbus, Bremen
CACTUS—10 cs, Veragua, Kingston
CANARY SEED—100 bgs, Exhibitor, Istanbul
CARAWAY SEED—100 bgs, 11,000 lbs, M Witsenburg, Nieuw Amsterdam, Rotterdam
100 bgs, 11,000 lbs, C M Van Sillevoldt, Nieuw Amsterdam, Rotterdam
50 bgs, 5,500 lbs, Levy & Levis Co, Nieuw Amsterdam, Rotterdam
CARDAMOM—23 cs, American Trader, London
CAROB BEANS—48 bgs, J L Hopkins & Co, Samaria, Liverpool
CASSIA—468 bls, Tabian, Padang
276 bls, H P Winter & Co, Tabian, Padang
471 bls, Sino Java Handel, Tabian, Padang
94 bls, A G Dunn, Tabian, Padang
87 bls, Knickerbocker Mills Co, Tabian, Padang
180 bls, City of Kimberley, Padang
3 bls, Sino Java Hvg, City of Kimberley, Padang
100 bls, Wah Young Co, Tai Yang, Hongkong
250 bls, A G Dunn, Tai Yang, Hongkong
ROLLS—100 bls, Tai Yang, Hongkong
CASTOR BEANS—8,479 bgs, Baker Castor Oil Co, Fernbank, Pernambuco
1,020 bgs, L Dreyfus & Co, Fernbank, Pernambuco
8,500 bgs, Baker Castor Oil Co, Fernbank, Bahia
1,700 bgs, Berkshire Chem Co, Polycarp, Para
5,100 bgs, Spencer Kellogg & Sons, Polycarp, Para
5,014 bgs, Polycarp, Para
1,700 bgs, West Imboden, Bahia
CELLULOSE ACETATE—1 cs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
CHALK, PRECIP—7 bgs, Concentrate Mfg Co, Champlain, Havre
205 bgs, H J Baker & Bro, Samaria, Liverpool
CHARCOAL, ANIMAL — 10 cks, Robinson-Wagner Co, Black Condor, Antwerp
CHEMICALS—34 pkgs, Central Trading Corp, Champlain, Havre
140 bbls, 100 bgs, Batory, Gdynia
70 cs, A Hurst & Co, Champlain, Havre
15 dms, Champlain, Havre
3 cs, American Express Co, Champlain, Havre
500 bgs, 7 cs, 25 cans, Deutschland, Hamburg
75 bbls, American Cyanamid & Chem Co, Deutschland, Hamburg
2 cs, Sherka Chem Co, Deutschland, Hamburg
1 cs, American Express Co, Deutschland, Hamburg
5 cs, 56 cks, Jungmann & Co, Deutschland, Hamburg
11 cs, Hummel Chem Co, Deutschland, Hamburg
1 cs, Innis, Speiden & Co, Deutschland, Hamburg
1 cs, Rohner, Gehrig & Co, Deutschland, Hamburg
1 cs, Allondon Bayonne Co, Deutschland, Hamburg
150 bgs, Philip Bauer Co, Mormactide, Gdynia
CHEMICALS—160 bgs, Mormactide, Gdynia
1 cs, Monsanto Chem Co, Samaria, Liverpool
3 cks, Stanley Doggett, Columbus, Bremen
1 dm, 6 cs, Nieuw Amsterdam, Rotterdam
14 cks, A V Berner & Co, Nieuw Amsterdam, Rotterdam
25 cs, Ciba Pharm Co, Ile de France, Havre
100 dms, 30 cks, American Cyanamid & Chem Co, Black Condor, Rotterdam
136 cks, Black Condor, Rotterdam
2 cs, 20 dms, 125 crbys, Industrial Sales Corp, Black Condor, Antwerp
33 dms, Philipp Bauer Co, Black Condor, Antwerp
64 cks, Black Condor, Antwerp
CHINA CLAY—160 bgs, English China Clay Sales Corp, Samaria, Liverpool
25 kgs, E Fougera & Co, American Trader, London
CINCHONA PRODUCTS—3 cs, R W Greeff & Co, Nieuw Amsterdam, Rotterdam
CLAY, COMMON—250 bgs, American Clay Pipe Works, Toronto City, Bristol
CLOVES—550 bls, City of New York, Zanzibar
COALTAR, DERIVATIVES—36 dms, General Aniline Works, Nieuw Amsterdam, Rotterdam
INTERMEDIATES—2 cks, 2 cs, General Dyestuff Corp, Deutschland, Hamburg
6 dms, General Dyestuff Corp, Columbus, Bremen
70 dms, General Aniline Works, Nieuw Amsterdam, Rotterdam
41 dms, 142 cks, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
13 cks, 24 dms, General Aniline Works, Black Condor, Rotterdam
PRODUCT—12 cs, Allondon Bayonne Co, Deutschland, Hamburg
COBALT METAL—25 cs, Central Trading Corp, Gerolstein, Antwerp
COCOA BEANS—22 bgs, Mecke & Co, Amor, Maracaibo
63 bgs, Schutte & Focke, Amor, Curacao
50 bgs, W & A Leaman, Amor, Curacao
4 bgs, Curacao Trading Co, Amor, Curacao
88 bgs, Wessel, Duval & Co, Amor, Porto Cabello
400 bgs, Amor, Porto Cabello
3,000 bgs, Wessel, Kulenkampf & Co, Fernbrook, Bahia
2,000 bgs, W R Grace & Co, Fernbrook, Bahia
500 bgs, Wood & Selick, Fernbrook, Bahia
510 bgs, Buenaventura, South American Ports
500 bgs, City of New York, Port Spain
108 bgs, Lopez & Mangual, Santa Elena, Curacao
800 bgs, Machado & Co, Santa Elena, La Guayra
1,350 bgs, West Imboden, Bahia
30,000 bgs, Curacao Trading Co, Herma, Sanchez
2,345 bgs, Balfour, Guthrie & Co, New Brunswick, Sassandra
5,074 bgs, Cie Francque de l'Afrique, New Brunswick, Accra
400 bgs, Standard Bank South Africa, New Brunswick, Takoradi
1,444 bgs, Cie Francque de l'Afrique, New Brunswick, Winneba
4,800 bgs, Bank of Manhattan, New Brunswick, Accra
351 bgs, Superintendence Co, New Brunswick, Lagos
786 bgs, New Brunswick, Lagos
4,000 bgs, Balfour, Guthrie & Co, New Brunswick, Accra
800 bgs, New Brunswick, Accra
7,269 bgs, Standard Bank South Africa, New Brunswick, Accra
19,637 bgs, Balfour, Guthrie & Co, New Brunswick, Lagos
377 bgs, W & A Leaman, Black Condor, Rotterdam
500 bgs, W R Grace & Co, Southern Cross, Trinidad
COCOBUTTS—980 bgs, 98,000 lbs, General Food Corp, Rosario, San Juan
44 bgs, 4,400 lbs, A J Trucco, Rosario, San Juan
500 bgs, 55,000 lbs, Standard Fruit S S Co, Atlantida, La Ceiba
925 bgs, 92,500 lbs, I L Toledano Corp, Buenaventura, Cristobal
45 bgs, 4,500 lbs, H L Daurnheim, Coamo, San Juan
140 bgs, 14,000 lbs, Veragua, Kingston
COCONUT, DESIC—200 cs, Wood & Selick, Tai Yang, Manila
1,753 cs, Durkee Famous Food, Tai Yang, Manila
5,699 cs, General Food Corp, Tai Yang, Manila
COLORS—10 cks, Lowenstein & Son, Ile de France, Havre
2 bbls, American Express Co, Ile de France, Havre
17 kgs, Fulton Dye Import Co, Ile de France, Havre
DRY—2 cks, Robinson Wagner Co, Columbus, Bremen
EARTH—15 cks, Stanley Doggett, Nieuw Amsterdam, Rotterdam
5 cks, Penson & Co, Nieuw Amsterdam, Rotterdam
PIGMENT—4 jugs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
COLUMBITE ORE—560 bgs, Union Ore Corp, New Brunswick, Port Harcourt
COPPER RESIDUE—437 cks, Belos, Gefle
CORIANDER SEED—10 bgs, Greene Trading Co, American Trader, London
2 cs, W & A Gilbey, American Trader, London
325 bgs, Vulcania, Trieste
CORK WASTE—2,950 bls, National City Bank, Exhibitor, Algiers
WOOD—25 bls, Exhibitor, Algiers
COTTON LINTERS—318 bls, Polycarp, Para
CRESOL—8 kgs, Monsanto Chem Co, Samaria, Liverpool
CUMARU CAKE—15 bgs, Polycarp, Para
CUTTLEFISH BONES—325 cs, Laura C, Sfax
25 cs, American Cuttlefish Bone Co, Vulcania, Trieste
DERRIS ROOT—50 bgs, S B Penick & Co, Silverteak, Singapore
CHIPS—25 cs, J F Frank, Tabian, Batavia
POWD—1 dm, J F Frank, Tabian, Batavia
DEXTRIN—12 bgs, Gallagher & Ascher, Nieuw Amsterdam, Rotterdam
DI-ISOBUTYLAMINE—2 dms, General Aniline Works, Black Condor, Rotterdam
DRUGS—20 cs, S B Penick & Co, American Trader, London
1 cs, Lo Curto & Funk, American Trader, London
DYES, ALIZARIN—18 cks, General Dyestuff Corp, Columbus, Bremen
9 cks, 5 dms, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
DYES, ANILIN—13 cks, 1 pkg, General Dyestuff Corp, Deutschland, Hamburg
4 dms, Sandoz Chem Works, Deutschland, Hamburg
1 dm, 1 cs, E I Du Pont de Nemours Co, Samaria, Liverpool
1 ck, 1 kg, L & R Organic Product, Samaria, Liverpool
6 cks, 1 cs, General Dyestuff Corp, Columbus, Bremen
12 cks, Geigy Co, Quaker City, Manchester
23 dms, Ciba Co, Nieuw Amsterdam, Rotterdam
130 cks, 25 dms, 1 tin, 1 cs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
22 cks, Geigy Co, Ile de France, Havre
11 kgs, Carbic Color & Chem Co, Ile de France, Havre
EGG, WHOLE, DRIED—25 cs, Borden Co, Tai Yang, Shanghai
ERGOT—20 cs, 2,752 lbs, Draeger Shipping Co, Batory, Gdynia
20 cs, 2,552 lbs, International Forwarding Co, Batory, Gdynia
20 cs, 2,791 lbs, S B Penick & Co, Deutschland, Hamburg
FAT, VEGETABLE—7 kgs, E Fougera & Co, American Trader, London
FELT, WASTE—20 bls, National City Bank, New Orleans, Sydney
FERTILIZER—60 bgs, American Trader, London
FILTER, PAPER—10 cs, H Reeve Angel & Co, American Trader, London
9 cs, Queen Mary, Southampton
FLAXSEED—6,060 tons, 242,400 bus, Archer-Daniels-Midland Co, Nyhang, Rosario
3,187 tons, 127,480 bus, L Dreyfus & Co, Fernbrook, Diamente
1,300 tons, 52,000 bus, Bunge North American Grain Co, Thode Fagelund, Montevideo
4,700 tons, 188,000 bus, Bunge North American Grain Co, Thode Fagelund, Concepcion
156 bgs, 343 bus, J T Connors & Co, Southern Cross, Buenos Aires
FOAMING POWDER — 20 cs, Deutschland, Hamburg
FULLER'S EARTH—250 bgs, L A Salomon & Bros, Toronto City, Bristol
FUR, WASTE—30 bls, National City Bank, New Orleans, Melbourne
145 bls, National City Bank, New Orleans, Sydney
GALANGAL ROOT—62 bgs, Tai Yang, Hongkong
GAMBIER—170 cs, American Dyewood Co, Tabian, Asahan
1 cs, Booth American Shipping Corp, Tabian, Belawan
425 cs, City of Kimberley, Belawan Deli
GELATIN—1 cs, Titan Shipping Co, Champlain, Havre
1 cs, Stein Stiner Co, Champlain, Havre
12 cs, American Express Co, Deutschland, Hamburg
SHEET—21 cs, American Express Co, Nieuw Amsterdam, Rotterdam
GINGER ROOT—12 crts, Wing Sun Co, Orizaba, Havana
207 bgs, Cie Franque de l'Afrique, New Brunswick, Freetown
200 bgs, Balfour Guthrie & Co, New Brunswick, Freetown
GLASS, SHEET — 1 cs, L Solomon & Son, American Trader, London
WINDOW — 1,000 cs, National City Bank, Gerolstein, Antwerp
5 cs, Leo Popper & Son, Gerolstein, Antwerp
1,100 cs, Gerolstein, Antwerp
120 cs, Banque Belge pour l'Etranger, Black Condor, Antwerp
GLUE, FISH, LIQUID—25 cs, E T Sullebarger, Caledonia, Glasgow
GLYCERIN—1 car, Colgate, Palmolive, Peet Co, Seatrain Havana, Havana
40 dms, Armour Soap Works, Scanpenn, Copenhagen
GRAPHITE—350 bgs, Silverteak, Tamatave
GREASE, WOOL—75 dms, Hummel Chem Co, Samaria, Liverpool
GUM—1 cs, Chicle Development Co, Talamanca, Pto Limon
7 cs, S B Penick & Co, American Trader, London
2 dms, W H Scheel, Buenaventura, Balboa
BENZOIN—50 cs, W E Martin, City of Kimberley, Sibolga
COPAL—348 baskets, Tabian, Macassar
40 bgs, Gillespie, Rogers, Pyatt Co, Black Condor, Antwerp
DAMMAR—50 cs, Stroock & Wittenberg, Tabian, Batavia
200 cs, O G Innes Corp, Tabian, Batavia
50 cs, Sino Java Hvg, City of Kimberley, Padang
26 cs, City of Kimberley, Padang
50 cs, Chase National Bank, Silverteak, Batavia
50 cs, S Winterbourne & Co, Silverteak, Batavia
50 cs, G W S Patterson & Co, Silverteak, Singapore
210 bgs, 150 cs, Stroock & Wittenberg, Silverteak, Singapore
25 cs, Gillespie, Rogers, Pyatt Co, Silverteak, Singapore
140 bgs, O G Innes Corp, Silverteak, Singapore
50 cs, American Cyanamid & Chem Co, Silverteak, Singapore
160 bgs, S Winterbourne & Co, Silverteak, Singapore
GUAIAC—5 cs, Porcella, Vicini & Co, Coamo, Trujillo
TRAGACANTH—48 bgs, American Trader, London
GYPSUM—6,000 tons, U S Gypsum Co, Gypsum Empress, Windsor
ROCK—2,247 tons, National Gypsum Co, Sekstant, Dingwall
HERBS, MEDICINAL—10 bls, S B Penick & Co, Deutschland, Hamburg
2 bgs, R D Hines, Deutschland, Hamburg
12 bls, Deutschland, Hamburg
146 bls, S B Penick & Co, Vulcania, Trieste
37 bls, Peek & Velsor, Vulcania, Trieste
50 bls, R J Prentiss & Co, Vulcania, Trieste
INDIGO—30 cks, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
IPECAC ROOT—10 bls, Oscar Hinrichs, West Imboden, Bahia
IRISH MOSS—30 bls, R J Prentiss & Co, Champlain, Havre
100 bls, H Reifenberg, Ile de France, Havre
IRON ORE—1 bg, J G Baragwanath, Talamanca, Puerto Limon
50 dms, 90 bgs, Reichard-Coulston, Samaria, Liverpool
OXIDE—8 cks, Landers-Segal Color Co, Samaria, Liverpool
50 bbls, G M Collins & Co, Toronto City, Bristol
31 cks, Reichard-Coulston, Toronto City, Bristol
20 cks, J Lee Smith Co, Nieuw Amsterdam, Rotterdam
ISINGLASS—5 cs, American Trader, London
JALAP ROOT—25 bgs, Orizaba, Vera Cruz
JUNIPER BERRIES—3 cs, W & A Gilbey, American Trader, London
50 bgs, Exhibitor, Leghorn
LEMON PEEL—20 bls, Peek & Velsor, Exhibitor, Leghorn
MACE—25 cs, Tabian, Padang
54 cs, City of Kimberley, Padang
2 cs, Middleton & Co, City of New York, Port Spain
MAGNESIA CARBONATE—100 cks, 35 cs, Schofield-Donald Co, Samaria, Liverpool
MANGANESE ORE—1 car, U W Ford, Seatrain New Orleans, Havana
4 cs, Bowring & Co, West Cusseta, Dunkirk
3 cars, U W Ford, Seatrain Havana, Havana
MANGROVE BARK EXTRACT—8,414 bgs, Philippine Cutch Corp, Tai Yang, Cambonga
1,000 bgs, Silverteak, Singapore
MARJORAM LEAVES—67 bgs, Laura C, Sfax
MATE—25 crts, Peter Esteve, Southern Cross, Buenos Aires
10 crts, 2 bls, J Victory, Southern Cross, Buenos Aires
MEDICINAL PREPS—14 cs, Burroughs, Wellcome & Co, American Trader, London
1 cs, Hensel, Bruckmann & Lorbacher, American Trader, London
2 cs, Lo Curto & Funk, Ile de France, Havre
MENTHOL—9 cs, New York Quinine & Chemical Works, American Trader, London
MICA—8 cs, American Mica Works, American Trader, London
4 cs, A O Schoenmaker Insulation Co, Santa Elena, Puerto Colombia
SPLITTINGS—91 cs, American Trader, London
MINERALS—1,830 bgs, National Lead Co, Southern Cross, Buenos Aires
NAPHTHALENE—2,915 bgs, Charles Hardy, Vigrid, Gdynia
NUTGALLS—467 bgs, Tai Yang, Hongkong
NUTMEGS — 230 bgs, H P Winter & Co, Tabian, Padang
200 bgs, G Uhe Co, Tabian, Padang
209 bgs, Tabian, Padang
100 bgs, M L Nommensen, City of Kimberley, Padang
5 bgs, Middleton & Co, City of New York, Port Spain
OCHER—135 bgs, Reichard-Coulston, Samaria, Liverpool
OIL, ANISE—25 dms, Arles Co, Tai Yang, Haiphong
10 dms, Tai Yang, Haiphong
40 dms, Ungerer & Co, Tai Yang, Hongkong
15 dms, W J Bush & Co, Tai Yang, Hongkong
CAMPHOR—1 cs, Burroughs, Wellcome & Co, American Trader, London
CANANGA—1 dm, Tabian, Batavia
2 dms, National City Bank of Kimberley, Batavia
CASSIA—3 dms, W J Bush & Co, Tai Yang, Hongkong
CHINAWOOD—190 tons, Brown Bros-Harriman Co, Tai Yang, Hongkong
95 tons, Irving Trust Co, Tai Yang, Hongkong
105 tons, Bunge North American Grain Co, Tai Yang, Hongkong
700 tons, W G Smith Co, Tai Yang, Hongkong
55 tons, Tai Yang, Hongkong
CITRONELLA—5 dms, Barber S S Line, American Trader, London
36 dms, Chase National Bank, City of Kimberley, Batavia
10 dms, Stein, Hall & Co, City of Kimberley, Batavia
16 dms, City of Kimberley, Batavia
4 dms, Catz American Co, City of Kimberley, Batavia
COCONUT — 700 tons, Spencer Kellogg & Sons, Tai Yang, Manila
CORN—54 dms, Corn Product Refining Co, Samaria, Liverpool
343 dms, Corn Product Refining Co, West Cusseta, Dunkirk
COTTONSEED—435 dms, Polycarp, Para
100 dms, West Imboden, Pernambuco
CRUDE—15 dms, Universal Oil Prod Co, Toronto City, Bristol
5 dms, M W Kellogg Co, Toronto City, Bristol
2 dms, 1 cs, Alco Prod Co, Toronto City, Bristol
ESSENTIAL—2 cs, Champlain, Havre
1 cs, Deutschland, Hamburg
10 cs, Queen Mary, Hamburg
7 cs, Ile de France, Havre
FISH LIVER—132 dms, Vitamerican, Inc, Tai Yang, Yokohama
FUEL—106,000 bbls, Standard Oil Co of N J, Wilhelm A Reidemann, Aruba
112,000 bbls, Standard Oil Co of N J, Standard, Aruba
904,714 gls, West India Oil Co, Christian Holm, Aruba
65,000 bbls, Standard Oil Co of N J, Christian Holm, Aruba
LUBRICATING—10 dms, 4 cs, C C Wakefield & Co, American Trader, London
2 dms, Morganite Brush Co, American Trader, London
100 dms, Webbal Service Co, Black Condor, Antwerp
MINERAL—100 dms, Heemsoth, Kerner Co, Deutschland, Hamburg
OITICICA—620 dms, Polycarp, Para
1 pkg, Analy Corp, Polycarp, Para
1 pkg, J H Redding, Polycarp, Para
OLIVE—50 dms, Banca Comi Italian Trust Co, Laura C, Palermo
50 dms, E M Sergeant Pulp & Chem Co, Laura C, Bongin
75 dms, Philadelphia Natl Bank, Laura C, Bongin
100 dms, W A Taylor & Co, Laura C, Sfax
50 dms, Lekas & Drivas, Lauca C, Sfax
25 dms, Irving Trust Co, Laura C, Sfax
50 dms, Laura C, Sfax
14 bbls, Bank of Greece, Vulcania, Patras
55 cs, Vulcania, Naples
108 cs, Vulcania, Palermo
50 dms, Agash Ref Corp, Exhibitor, Leghorn
10 dms, Latorraca Bros, Exhibitor, Leghorn
25 dms, Fontana Hollywood Co, Exhibitor, Leghorn
910 cs, Exhibitor, Genoa
2,830 cs, Exhibitor, Leghorn
OLIVE, SULPHUR—151,214 kilos, Guaranty Trust Co, Exhibitor, Algiers
99,600 kilos, Smith, Weihman & Co, Exhibitor, Rethymno
100,150 kilos, Smith, Weihman & Co, Exhibitor, Agios Nicolas
300,000 kilos, Smith, Weihman & Co, Exhibitor, Polychito
100,406 kilos, British French Discount Bank, Exhibitor, Piraeus
ORANGE—3 dms, New Brunswick, Freetown

OIL, PALM—1,405 tons, Banque Belge pour l'Etranger, Tabian, Belawan
935 tons, Van Leeuwen, Boomkampf & Co, Tabian, Belawan
1 cs, American Cyanamid & Chem Co, Tabian, Belawan
PETITGRAIN—50 cs, W R Grace & Co, Fernbrook, Buenos Aires
TEASEED—100 dms, Paul A Dunkel & Co, Tai Yang, Canton
65 dms, J L Dirick, Tai Yang, Hongkong
100 dms, E M Sergeant Pulp & Chem Co, Hongkong
100 dms, Bingham & Co, Tai Yang, Canton
500 dms, Leghorn Trading Co, Tai Yang, Canton
OPIUM—2 cs, Eli Lilly & Co, Exhibitor, Istanbul
ORE—11 cs, C Happel, American Trader, London
ORRISROOT—63 bgs, Lo Curto & Funk, Exhibitor, Leghorn
POWD—1 cs, W & A Gilbey, American Trader, London
PALM KERNEL—4,118 bgs, Balfour, Guthrie & Co, New Brunswick, Burutu
3,250 bgs, Balfour, Guthrie & Co, New Brunswick, Warri
5,606 bgs, Balfour, Guthrie & Co, New Brunswick, Sapete
6,418 bgs, J H Redding, New Brunswick, Sherbro
PAPAIN—13 cs, R J Prentiss & Co, City of Kimberley, Colombo
PAPRIKA — 100 bgs, Victory Shipping Co, Deutschland, Hamburg
100 bgs, Van Loan & Co, Deutschland, Hamburg
50 bgs, Deutschland, Hamburg
250 bgs, Columbus, Bremen
60 bgs, Mercantile Import Corp, Vulcania, Lisbon
PATCHOULI LEAVES—74 bls, W J Bush & Co, Silverteak, Penang
PEATMOSS—750 bls, Columbus, Bremen
1,115 bls, 3 cs, Premier Peatmoss Corp, Scanpenn, Copenhagen
625 bls, Halfmoon Mfg Trading Co, Black Condor, Rotterdam
PEPPER, BLACK—5,183 bgs, City of Kimberley, Oosthaven
75 bgs, Silverteak, Batavia
1,125 bgs, Silverteak, Oosthaven
WHITE—81 bgs, Sino Java Handel, Silverteak, Pangkal Pinang
252 bgs, Silverteak, Pangkal Pinang
PIMENTO—100 bgs, Mincing Trading Co, Veragua, Kingston
PLANTS, DRIED—120 bls, 27,368 lbs, S B Penick Co, Deutschland, Hamburg
POPPYSEED—400 bgs, 44,000 lbs, Levy & Levis Co, Batory, Gdynia
300 bgs, 33,000 lbs, Herman Joel, Batory, Gdynia
100 bgs, 11,000 lbs, M Witsenburg, Nieuw Amsterdam, Rotterdam
POTASH, CAUSTIC—340 dms, American Cyanamid & Chem Co, Deutschland, Hamburg
CHLORATE—1,000 dms, Uniform Chem Prod Co, Deutschland, Hamburg
40 kgs, 200 dms, International Selling Corp, West Cusseta, Havre
CYANIDE—68 cs, 13,987 lbs, E I duPont de Nemours Co, Deutschland, Hamburg
MURIATE—2,270 tons, N V Potash Export Mij, Herdis, Bremen
SULPHATE—218 tons, N V Potash Export Mij, Herdis, Bremen
POTASH, MAGNESIA SULPHATE—22 tons, N V Potash Export Mij, Herdis, Bremen
PYRETHRUM FLOWERS—11 bls, Peck & Velsor, Vulcania, Trieste
82 bls, American Express Co, Vulcania, Trieste
200 bls, City of New York, Mombasa
RAPESEED—125 bgs, Levy & Levis Co, Nieuw Amsterdam, Rotterdam
50 bgs, Nieuw Amsterdam, Rotterdam
156 bgs, J T Connor & Co, Southern Cross, Buenos Aires
RICE FLOUR—100 bgs, Half Moon Mfg & Trading Co, Nieuw Amsterdam, Rotterdam
ROOT, MEDICINAL—10 bls, 1,100 lbs, S B Penick & Co, Deutschland, Hamburg
8 bgs, R D Hines, Deutschland, Hamburg
13 bgs, Vulcania, Trieste
ROSIN—3 cs, S B Penick & Co, Vulcania, Trieste
SAGE LEAVES—303 bls, E E Marks & Co, Vulcania, Dubrovnik
SESAME SEED—168 bgs, G T German, Tai Yang, Canton
56 bgs, Tai Yang, Hongkong
SHELLAC—30 bgs, 40 cs, A Hurst & Co, Deutschland, Hamburg
40 cs, A Hurst & Co, Nieuw Amsterdam, Rotterdam
SIENNA—3 cks, Stanley Doggett, Exhibitor, Leghorn
120 bgs, 33 bbls, Reichard-Coulston, Exhibitor, Leghorn
SOAP, SADDLE—13 cs, American Express Co, American Trader, London
SODA CARBONATE MONOHYDRATE — 60 dms, 3 tons, 5 cwt, 1 qtr, 12 lbs, Titan Shipping Co, Samaria, Liverpool
CYANIDE—600 dms, National Carloading Co, Black Condor, Rotterdam
HYDROSULPHITE — 40 dms, 9,504 lbs, Deutschland, Hamburg
SULPHATE—150 cks, 476 bgs, Advance Solvents & Chemical Co, Gerolstein, Antwerp
URANATE—100 bbls, Central Trading Corp, Gerolstein, Antwerp
SPONGES—24 bls, Oriente, Havana
6 bls, Orizaba, Havana
14 bls, J Bloch, Orizaba, Havana
SQUILL—8 bgs, R J Prentiss & Co, Vulcania, Trieste
STEARIN—158 dms, Fernbrook, Santos
SUMAC—350 bgs, Laura C, Palermo
TALC—250 bgs, Whittaker, Clark & Daniels, West Cusseta, Havre
300 bgs, Charles Mathieu, Exhibitor, Genoa
250 bgs, C B Chrystal & Co, Exhibitor, Genoa
500 bgs, Exhibitor, Genoa
300 bgs, Exhibitor, Leghorn
TANKAGE—500 bgs, Astri, Montevideo
4,800 bgs, Astri, Buenos Aires
300 bgs, Gillespie & Co, Southern Cross, Buenos Aires
200 bgs, Southern Cross, Buenos Aires

CLEANING MILLING
GUMS, DRUGS, FOOD PRODUCTS
To
Your Specification
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N.J.

TAPIOCA FLAKE—2,806 bgs, Stein, Hall & Co, City of Kimberley, Sourabaya
FLOUR—1,680 bgs, Chase National Bank, Tabian, Pasoeroean
4,212 bgs, Stein, Hall & Co, Tabian, Sourabaya
10 bgs, Tabian, Sourabaya
496 bgs, Stein, Hall & Co, Tabian, Cheribon
990 bgs, Stein, Hall & Co, Tabian, Tjilatjap
2,114 bgs, Stein, Hall & Co, City of Kimberley, Batavia
500 bgs, National Adhesive Corp, City of Kimberley, Batavia
2,190 bgs, City of Kimberley, Batavia
5,216 bgs, Balfour, Guthrie & Co, City of Kimberley, Pamanoekan
250 bgs, Chase National Bank, City of Kimberley, Cheribon
4,352 bgs, Stein, Hall & Co, City of Kimberley, Cheribon
182 bgs, Stein, Hall & Co, City of Kimberley, Sourabaya
PEARL—293 bgs, Tabian, Penang
283 bgs, City of Kimberley, Cheribon
TARTAR—559 bgs, Laura C, Naples
656 bgs, Charles Pfizer & Co, Exhibitor, Algiers
200 bgs, Exhibitor, Leghorn
714 bgs, Standard Brands, Exhibitor, Naples
227 bgs, Davies, Turner & Co, Exhibitor, Naples
TIMBO ROOT, POWD — 345 bgs, Polycarp, Para
TONKA BEANS—26 bbls, Irving Trust Co, Polycarp, Para
TUBA ROOT—48 bls, Hecht, Levis & Kahn, Silverteak, Singapore
48 bls, S B Penick & Co, Silverteak, Singapore
URANYL CARBONATE — 20 bbls, Central Trading Corp, Gerolstein, Antwerp
UREA—1,000 bgs, Synthetic Nitrogen Prod Corp, Gerolstein, Antwerp
VANADIUM CATALYST — 60 cs, Monsanto Chem Co, Black Condor, Rotterdam
VANILLA BEANS—3 cs, Thurston & Braidich, Orizaba, Vera Cruz
40 cs, French American Banking Corp, Silverteak, Tamatave
VIOLET MINERAL—1 dm, Nieuw Amsterdam, Rotterdam
ULTRAMARINE — 1 ck, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
WATER MINERAL—200 cs, American Agency, French Vichy, Champlain, Havre
400 cs, D F Young, Champlain, Havre
77 cs, Champlain, Havre
15 cs, Dorf & Co, Ile de France, Havre
WATTLE BARK—2,195 bls, City of New York, Mombasa
1,143 bls, Hammond & Carpenter, City of New York, Durban
WAX, BEES—3 bgs, Curacao Trading Corp, Amor, Curacao
171 blocks, City of New York, Mombasa
430 blocks, New Brunswick, Freetown
CARNAUBA—221 bgs, Wm M Allison & Co, Polycarp, Para
636 bgs, Strohmeyer & Arpe Co, Polycarp, Para
358 bgs, American Cyanamid & Chem Co, Polycarp, Para
595 bgs, Strahl & Pitsch, Polycarp, Para
112 bgs, Smith & Nichols, Polycarp, Para
125 bgs, Innis, Speiden & Co, Polycarp, Para
56 bgs, Brown Bros, Harriman Co, Polycarp, Para
295 bgs, Polycarp, Para
MINERAL—20 bgs, A Hurst & Co, American Trader, London
10 bgs, Queen Mary, Southampton
MONTAN—375 bgs, Strohmeyer & Arpe Co, Deutschland, Hamburg
30 bgs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
OZOKERITE—384 bgs, Batory, Gdynia
50 bgs, Heemsoth, Kerner Co, Deutschland, Hamburg
127 bgs, 5 cs, West Cusseta, Havre
50 bgs, Innis, Speiden & Co, Vulcania, Trieste
REFINED—1,694 bgs, Standard Oil Co of N J, Tabian, Palembang
VEGETABLE—50 bgs, E A Bromund Co, West Imboden, Bahia
WOOL—1 dm, Intercontinental Forwarding Co, Samaria, Liverpool
WOODFLOUR—600 bgs, Burnet Co, Mormactide, Kotka
YEAST—40 bbls, Deutschland, Hamburg
100 bgs, Vegex, Inc, West Cusseta, Dunkirk
BREWERS'—400 bgs, Samaria, Liverpool
ZINC OXIDE—10 bgs, Concentrate Mfg Co, Champlain, Havre
50 bgs, Philipp Bros, Gerolstein, Antwerp
ZINC-AMMONIA CHLORIDE—22 cks, American Cyanamid & Chem Co, Gerolstein, Antwerp

New York Transit Imports

BARK EXTRACT, POWD—5 cs, Samaria, Liverpool, Rochester
ERGOT—40 cs, Eli Lilly & Co, Vulcania, Lisbon, Indianapolis
20 cs, Parke, Davis & Co, Black Condor, Antwerp, Detroit
20 cs, W S Merrell Co, Black Condor, Antwerp, Cincinnati
NUTGALLS—374 bls, Eastman Kodak Co, Tai Yang, Hongkong, Rochester
SOAP—2 cs, J L Hudson & Co, Ile de France, Havre, Detroit
SPONGES—24 bls, Oriente, Havana, Rotterdam
4 bls, Oriente, Havana, Zurich
VANILLA BEANS—12 cs, M Cortezas Co, Orizaba, Vera Cruz, Philadelphia

Baltimore Imports

ALUMINUM & BRONZE POWDER—20 cs, National Car Loading Corp, Liberty, Hamburg
ANTIMONY OXIDE—200 bgs, Artigas, Liverpool
BONE PHOSPHATE—250 bgs, Black Falcon, Antwerp
CHEMICALS—25 cks, Black Falcon, Antwerp
21 cs, Balto & Ohio RR Co, Liberty, Hamburg
170 cks, 250 bgs, Advance Solvents & Chem Co, Binnendijk, Rotterdam
CLAY—60 cks, City of Flint, Bremen
FERROMANGANESE—650 tons, Frank Samuel Co, Tana, Porsgrunn
INTERMEDIATES, DRY—17 dms, Binnendijk, Rotterdam
IRON ORE—11,500 tons, Bethlehem Steel Co, Santore, Cruz Grande
11,000 tons, Bethlehem Steel Co, Cubore, Daiquiri
9,548 tons, Leo J Buck, Inc., Nuolja, Narvik
MANGANESE—60 bbls, Pipestone County, Havre
ORE—8,000 tons, Uruguayo, Santiago, Cuba
9,600 tons, Mount Dirfys, Rio Janeiro
8,650 tons, Vancouver City, Poti
MEAKIN MEAL—2,000 bgs, Yamagiri, Kobe
MOLASSES—550,655 gls, Cuba Distilling Co, Cassimir, Macoris
MONAZITE SAND—1,667 bgs, American Treibach Chem Works, Alegrete, Victoria
OIL, CODLIVER—290 dms, City of Flint, Hamburg
25 dms, Liberty, Hamburg
OIL, FUEL—80,000 bbls, Standard Oil Co, N J, T C McCobb, Aruba
LUBRICATING—20 dms, Black Falcon, Antwerp
PEATMOSS—1,260 bls, City of Flint, Bremen
1,035 bls, Binnendijk, Rotterdam
PYRITES—6,571 tons, Eestirand, Huelva
SALTPETER—357 bgs, City of Flint, Bremen
SARDINE MEAL—2,000 bgs, Yamagiri, Kobe
TALC—975 bgs, Pipestone County, Bordeaux
WAX, BEES—72 bgs, Alegrete, Rio Janeiro
ZINC CONCENTRATES—2,675 tons, Cacique, Cerro Azul, Peru

Boston Imports

ACID, CRESYLIC—50 dms, 10 tons, 11 cwt, 2 qtrs, Samaria, Liverpool
BONE MEAL—2,000 bgs, 202,840 lbs, West Imboden, Buenos Aires
442 bgs, 44,700 lbs, Ore & Chemical Corp, Bochum, Hamburg
CHEMICALS—100 csks, 11,905 lbs, Exochorda, Genoa
5 csks, 2,756 lbs, Chemical Marketing Co, Bochum, Hamburg
20 csks, 12,082 lbs Bochum, Hamburg
500 bgs, 110,230 lbs, Irving M Sobin Co, Bochum, Hamburg
COCOA BEANS—4,000 bgs., 529,104 lbs, Wessels, Kuleckampff & Co, Rio Verde, Ilheos
1,500 bgs, 198,414 lbs, General Cocoa Co, Rio Verde, Ilheos
1,000 bgs, 132,276 lbs, W R Grace & Co, Rio Verde, Ilheos
1,000 bgs, 132,276 lbs, Rio Verde, Bahia
500 bgs, 67,240 lbs, Wessel, Duval & Co, West Imboden, Bahia
DEXTRIN—20 dbl bgs, 1 ton, Borden & Remington Co, Samaria, Liverpool
EMERY FILLET—1 cs, Joseph Sykes Bros, Samaria, Liverpool
1 cs, Atkinson Haserick Co, Samaria, Liverpool
FERTILIZER—182 bgs, 40,124 lbs, Bochum, Bremen
FISH LIVERS—6 cs, 1 bx, 1 hlf bbl, from Nova Scotia
1 cs, Atwood & Co, Yarmouth, Yarmouth
1 cs, Consolidated Lobster Co, Consolidated, Petit de Grat, N S
3 bxs, Russ Black Fish Co, Evangeline, Yarmouth
1 cs, K M Crocker, St John, Yarmouth
1 cs, John Nagle, St John, Yarmouth
1 cs, 11 lbs, Dench & Hardy, St John, Yarmouth
FORMALDEHYDE SODA HYDROSULPHITE —20 kgs, 1 ton, 2 cwt, 2 qtrs, 20 lbs, Phillip Bros, Samaria, Liverpool
GAMBIER—170 cs, Littlejohn & Co, Silverteak, Belawan
GLUESTOCK, FISH—15 bxs, J R Poole, Evangeline, Yarmouth
13 bxs, J R Poole, St John, Yarmouth
GLYCERIN—21 dms, 24,916 lbs, West Imboden, Buenos Aires
GOLDTHREAD—1 bg, Chester E Gould, Evangeline, Yarmouth
1 bg, S B Penick & Co, St John, Yarmouth
GUM, INDUSTRIAL—75 cks, 18 tons, 17 cwts, J P Marston Co, Samaria, Liverpool
LIVER MEAL—544 bgs, 55,111 lbs, H J Baker & Bros, West Imboden, Buenos Aires
MAGNESIA, CARBONATE—224 bgs, 5 tons, 2 cwts, 2 qtrs, Schofield, Donald Co, Samaria, Liverpool
MUSTARD SEED—50 bgs, 11,023 lbs, Bochum, Bremen
OCHER—240 bgs, 12,116 lbs, Reichard Coulston, Exochorda, Marseilles
25 bbls, 15,759 lbs, W M Proctor Co, Exochorda, Marseilles
OIL, COCONUT—1,000 tons, Philippine Refining Corp, Silverteak, Cebu
COD—67 dms, Silmo Chemical Corp, St John, Yarmouth, N S
10 dms, Caledonia, Glasgow
FUEL—41,000 bbls, 1,722,000 gls, Colonial Beacon Oil Co, George H Jones, Aruba
OLIVE—50 cs, 6,228 lbs, Exochorda, Genoa
SPERM—10 dms, Caledonia, Glasgow
PEATMOSS—7,459 bgs, 223,742 lbs, T D Downing Co, Bochum, Bremen
500 bls, 74,912 lbs, L E Page, Bochum, Bremen
300 bls, 35,847 lbs, Bochum, Bremen
PEPPER, RED—25 bgs, 2,844 lbs, Bochum, Hamburg
PETROLEUM, CRUDE—27,070 bbls, 4,082 tons, Colonial Beacon Oil Co, George H Jones, Las Piedras
POLISHING POWDER—3 cs, National Importing Co, Vingaren, Gothenburg
QUEBRACHO EXTRACT—800 bgs, 73,929 lbs, International Products Corp, West Imboden, Buenos Aires
SAFFRON—1 cs, Exochorda, Marseilles
SALTPETER—900,138 lbs, Bochum, Bremen
182 bgs, 40,124 lbs, Bochum, Bremen
SEAWEED, DRIED—10 bls, 19 cwts, 3 qtrs, 8 lbs, American Express Co, Samaria, Liverpool
SHELLAC—15 cs, 2,743 lbs, J H Schroeder Banking Corp, Bochum, Hamburg
SOAP—75 cs, 2,994 lbs, Conti Products Corp, Exochorda, Leghorn
14 cks, T D Downing Co, Samaria, Liverpool
TOILET—2 cs, Lever Bros, Samaria, Liverpool
1 cs, American Express Co, Samaria, Liverpool
TALC—100 bgs, 22,046 lbs, Whittaker, Clark & Daniels, Exochorda, Marseilles
TANKAGE — 1,016 bgs, 112,000 lbs, West Imboden, Buenos Aires
TAPIOCA FLOUR—250 bgs, Stein, Hall & Co, Silverteak, Cheribon
1,027 bgs, Balfour, Guthrie & Co, Silverteak, Pamanoekan
520 bgs, Stein, Hall & Co, Silverteak, Batavia
5,574 bgs, National City Bank, Tabian, Sourabaya

Galveston Imports

OIL, OLIVE—65 cs, Blommersdijk, Rotterdam

Houston Imports

OIL, OLIVE—25 cs, Livenza, Trieste
PETROLEUM, CRUDE—35,182 bbls, R W McIlvain, Tuxpam

Los Angeles Imports

AMMONIA, PHOSPHATE—3,700 bgs, 369,600 lbs, Rosebank, Trail
SULPHATE—2,300 bgs, 230,720 lbs, Rosebank, Trail
ANTIMONY ORE—85,000 lbs, from Iguala
CANARY SEED—402 bgs, 55,120 lbs, West Ira, Buenos Aires
CHEMICAL SALT—2,020 lbs, Kinai, Tokio
COCONUT DESIC—50 cs, 7,650 lbs, President Pierce, Manila
80 cs, 10,400 lbs, President Pierce, Phil I
505 cs, 65,650 lbs, Kinai, Manila
EPSOM SALT—400 pkgs, 46,350 lbs, Seattle, Berlin
FISH LIVERS—37,880 lbs, Tatuta, Yokohama
GLASS, SHEET—145 cs, 60,160 lbs, Seattle, Prague
HEMPSEED MEAL—2,000 bgs, 200,000 lbs, Tatuta, Osaka
INK—160 lbs, President Pierce, Hongkong
MEDICINAL PREPS—940 lbs, from Belfast
MINERALS, CRUDE—240 lbs, Seattle, Tdar-Oberstein
NUTMEGS—8,000 lbs, West Ira, Trinidad
OIL, FISH—230 lbs, Tatuta, Tokio
LUBRICATING—105 dms, 40,740 lbs, Seattle, Hamburg
150 dms, 58,200 lbs, Este, Hamburg
MINERAL—50 dms, 24,750 lbs, Seattle, Copenhagen
PEANUT—1,440 lbs, President Pierce, Hongkong
RICE BRAN—330,260 lbs, Tatuta, Osaka
SESAME—450 lbs, Kiyokawa, Yokohama
TEASEED—55 dms, 22,100 lbs, Niel Maersk, Shanghai
100 dms, 38,420 lbs, Niel Maersk, Hongkong
PAPRIKA—2,750 lbs, Erria, Budapest
50 bgs, 5,500 lbs, Este, Budapest
PEATMOSS—4,480 lbs, Seattle, Hamburg
2,370 bls, 349,440 lbs, Este, Bremen
POTASH CAUSTIC—10 dms, 5,900 lbs, Este, Gothenburg
MURIATE—2,200 bgs, 246,400 lbs, Seattle, Hamburg
817,600 lbs, Seattle, Hamburg
SULPHATE—1,400 bgs, 280,000 lbs, Seattle, Hamburg
1,900 bgs, 259,840 lbs, Este, Hamburg
SEAWEEDS—250 lbs, Kinai, Yokohama
SOAP, TOILET—1,120 lbs, from London
STARCHES—240 lbs, Arimasan, Kobe
TANKAGE — 500 bgs, 50,000 lbs, Clydebank, Melbourne
WATER, MINERAL—1,000 lbs, Abraham Lincoln, Oslo
WAX, OZOKERITE—2,240 lbs, Seattle, Vienna

New Orleans Imports

CHALK—160 bbls, Leerdam, Antwerp
CHEMICALS—158 dms, Advance Solvents & Chemical Corp, Leerdam, Rotterdam
73 bbls, Leerdam, Rotterdam
200 sks, Wasgenwald, Bremen
72 cks, Advance Solvents & Chemical Corp, Wasgenwald, Hamburg
20 cks, Wasgenwald, Hamburg
208 dms, Whitney Bank, Effingham, Rotterdam
100 dms, Effingham, Rotterdam
COCONUTS—125 sks, W R Grace & Co, Gansfjord, Kingston
GLASS, WINDOW—336 cs, Leerdam, Antwerp
MOLASSES—1,356,928 gls, Cuba Distilling Co, Catahoula, Cienfuegos
OIL, COCONUT—287 tons, Tatuno, Manila
MINERAL—200 dms, Wasgenwald, Hamburg
OLIVE—16 cs, Nevada, Havre
WHITE—100 dms, Effingham, Antwerp
POTASH CHLORATE—340 dms, Leerdam, Antwerp
SULPHATE—10 bbls, N V Potash Export Mij, Wasgenwald, Hamburg

Norfolk Imports

OIL, PALM—490 tons, Banque Belge Pour l'Etranger, N Y, Adrastus, Belawan
SODA SULPHATE—368 bgs, 23 tons, F W Berk & Co, N Y, City of Flint, Bremen

Philadelphia Imports

BONES—400,000 lbs, Capillo, Rio Grande do Sul
BRISTLES—120 cs, B C Ritchie & Co, Kirisima, Tientsin
COCOA BEANS—2,951 bgs, W & A Leaman, City of Flint, Hamburg
1,500 bgs, Alegrete, Bahia
COCONUT, DESIC—500 cs, Balfour, Guthrie & Co, Arimasan, Manila
FISH LIVERS, FROZEN—315 tins, Asano Bussen Co, Nagara, Yokohama
GLYCERIN—597 dms, Mitsui & Co, Arimasan, Kobe
30 dms, Pipestone County, St Nazaire
GREAVE CAKES—506 cakes, Astri, Buenos Aires
GYPSUM, CRUDE—5,400 tons, U S Gypsum Co, Gypsum King, Windsor
MAGNESITE CLINKERS—1,200 bgs, Nagara, Dairen
MANGANESE ORE—5,950 tons, E J Lavino & Co, Baron Elgin, Vizagapatam
MEAKIN MEAL—3,172 bgs, Mitsubishi Shoji Kaisha, Tatsuno, Kobe
MENTHOL—50 cs, National City Bank, Arimasan, Kobe
MOLASSES—659,026 gls, North American Trading & Import Co, Winnetou, Sagua La Grande
748,047 gls, North American Trading & Import Co, Winnetou, Pastelillo
OIL, CODLIVER—20 dms, John H Wood Mfg Co, Toronto, Aalesund
70 dms, J A McCarthy, Toronto, Bergen
100 dms, Corn Exchange National Bank, Nagara, Kobe
100 dms, City of Flint, Hamburg
COTTONSEED—564 dms, Capillo, Santos
550 dms, Benedict, Cabedello
534 dms, Astri, Rio de Janeiro
273 tons, Nagara, Kobe
MUSTARD SEED—35 dms, Balfour, Guthrie & Co Kirisima, Kobe
PETROLEUM—85,848 bbls, Gulf Oil Corp, Adellen, Las Piedras
PYRETHRUM FLOWERS—125 bls, Black Flag Co, Kirisima, Kobe
QUEBRACHO EXTRACT—9,896 bls, Tannin Corp, Capillo, Buenos Aires
LOGS—7,452 pieces, Tannin Corp, Elie, Antwerp
SARDINE MEAL—1,000 bgs, Mitsui & Co, Nagara, Moji
2,000 bgs, Mitsui & Co, Nagara, Kobe
2,000 bgs, Mitsubishi Shoji Kaisha, Kirisima, Kobe
2,500 bgs, Mitsubishi Shoji Kaisha, Tatsuno, Kobe
SEA SHELLS—4 bbls, Corn Exchange National Bank, Pipestone County, Havre
TALC—275 bgs, Hammill & Gillespie, Pipestone County, Bordeaux
TANKAGE—2,000 bgs, Astri, Montevideo
1,565 bgs, Astri, Buenos Aires
3,591 cakes, Astri, Buenos Aires
29 pieces, Astri, Buenos Aires
1,016 bgs, Alegrete, Rio de Janeiro
1 tin, samples, Lloyd Brasellero, Alegrete, Rio de Janeiro
TIMBO POWD—255 cs, Benedict, Para

Portland, Ore., Imports

COPRA—930 tons, Central Bank of Cleveland, Don Jose, Manila
500 tons, Durkee Famous Foods, Don Jose, Manila
500 tons, Don Jose, Manila
LINSEED MEAL—500 sks, Durkee Famous Foods, Gyoko, Kobe
2,000 sks, Mitsubishi Shoji Kaisha, Gyoko, Yokohama
SODA CHLORATE—1,500 kgs, International Selling Corpn, San Pedro, Havre

San Francisco Imports

ACID, CRESYLIC—75 dms, Modavia, Liverpool
AGAR AGAR — 7 bls, Mitsui & Co, Tatuta, Kobe

ALBUMEN, DUCK—28 cs, Habicht Braun & Co, President Pierce, Hongkong
ANTIMONY, CRUDE—100 cs, Pope Trading Co, President Pierce, Hongkong
REGULUS—200 cs, Harper Robinson & Co, President Pierce, Hongkong
APRICOT KERNELS—4 cs, Ti Hang Lung & Co, President Pierce, Hongkong
BRISTLES—50 cs, H Rosenhirsch Co, President Pierce, Hongkong
CASSIA—50 bls, McClintock-Stern Co, Corneville, Hongkong
100 bls, S L Jones & Co, Hopecrest, Hongkong
219 bls, S L Jones & Co, President Pierce, Hongkong
88 sks, Philadelphia National Bank, President Pierce, Hongkong
CHILLIES—100 sks, S L Jones & Co, Tatuta, Kobe
CINNAMON QUILLS—50 bls, Henry W Peabody Co, President Pierce, Hongkong
100 bls, H M Newhall & Co, President Pierce, Hongkong
200 bls, Anglo-California National Bank, President Pierce, Hongkong
70 bls, D Hecht & Co, President Pierce, Hongkong
COCONUT, DESIC—955 cs, Wood & Selick, President Pierce, Manila
50 cs, J O & C U Martin, President Pierce, Manila
520 cs, S L Jones & Co, President Pierce, Manila
1,986 cs, General Foods Sales Co, President Pierce, Manila
388 cs, Philippine Desiccated Coconut Corpn, President Pierce, Manila
100 cs, Philippine Desiccated Coconut Corpn, Corneville, Manila
COPRA — 250 tons, Durkee Famous Foods, Corneville, Dumaguete toptional discharge, Oakland-Alameda)
100 tons, El Dorado Oil Works, Corneville, Dumaguete (for Oakland)
MEAL—4,480 sks, Taylor Milling Co, Hopecrest, Manila (for Oakland)
GINGER ROOT—164 pkgs, President Pierce, Hongkong
GUM, ELEMI—131 cs, Michael Fried, President Pierce, Manila
COPAL — 50 sks, Henry W Peabody Co, Corneville, Singapore
HERBS, DRIED—4 bdls, Kwong Yick, President Pierce, Hongkong
INK—5 cs, Kwong Kee Chan, President Pierce, Hongkong
LINSEED MEAL—4,000 sks, Durkee Famous Foods, Tatuta, Kobe
MEDICINAL PREPS—2 cs, Sing Chong Co, President Pierce, Hongkong
3 cs, Fung Chong, President Pierce, Hongkong
1 cs, Yee Wo Co, President Pierce, Hongkong
1 cs, Quong Lee & Co, President Pierce, Hongkong
18 cs, Chan Ning Tong, President Pierce, Hongkong
10 cs, Chong Kee Chan Co, President Pierce, Hongkong
7 cs, Kwong Kee Chan, President Pierce, Hongkong
6 cs, Ti Hang Lung & Co, President Pierce, Hongkong
1 cs, Woo Kee Co, President Pierce, Hongkong
MEDICINAL PREPS—1 cs, Wing Hing Chong, President Pierce, Hongkong
2 cs, Kwong Yick, President Pierce, Hongkong
1 cs, Mutual Supply Co, Tatuta, Kobe
4 cs, Kwong Yick, Corneville, Hongkong
OIL, CHINAWOOD—225 tons, S L Jones & Co, Corneville, Hongkong
325 tons, Dorward & Sons Co, Corneville, Hongkong
CREOSOTE—74 dms, Modavia, Liverpool
FISH—2 dms, Mitsui & Co, Tatuta, Yokohama
PEANUT—50 cs, Columbia Co, President Pierce, Hongkong
45 cs, Chong Kee Chan Co, President Pierce, Hongkong
100 cs, Suey Chong Co, President Pierce, Hongkong
240 cs, Kwong Kee Chan, President Pierce, Hongkong
PETROLEUM—100 dms, Schou-Gallis Co, Erria, Copenhagen
PERILLA—144 tons, S L Jones & Co, Tatuta, Kobe
PEANUTS, SHELLED—108 sks, Wilbur-Ellis Co, Hopecrest, Manila
30 cs, S A Winther & Co, President Pierce, Manila
300 sks, M S Cowen Co, President Pierce, Manila
PEATMOSS—550 bls, East Asiatic Co, Erria, Norresundby
PYRETHRUM FLOWERS—250 bls, Mitsui & Co, Tatuta, Kobe
RAPE SEED—62 sks, American Commerce Co, Tatuta, Otaru
SESAME SEED—30 sks, P J Frawley Co, Hopecrest, Hongkong
236 sks, D Hecht & Co, Hopecrest, Hongkong
50 sks, S L Jones & Co, Hopecrest, Hongkong
75 sks, Wah Young Co, President Pierce, Hongkong
SOAP, SOFT—25 dms, Schou-Gallis Co, Abraham Lincoln, Oslo
STARCH—110 cs, Columbia Co, President Pierce, Hongkong
30 cs, Suey Chong Co, President Pierce, Hongkong
40 cs, Kwong Kee Chan, President Pierce, Hongkong
54 cs, Kwong Yick, President Pierce, Hongkong
TAR—99 dms, C J Hendry Co, Modavia, Glasgow

Seattle Imports

COCOA BEANS—295 sks, Hardanger, Para
LINSEED MEAL—600 sks, Balfour, Guthrie & Co, Gyoko, Kobe
OIL, OLIVE—10 dms, Cellina, Genoa
POLISH, BOOT—7 cs, American Express Co, Delftdijk, London
WATER, MINERAL—100 cs, E & J Burke, Cellina, Marseilles

Tampa Imports

COCONUTS—1,100, Beloit, Roatan

Exports from U.S. Ports

New York Exports

Clearance Dates

Agwidale, August 20; Almena, August 18; American Merchant, August 19; American Shipper, August 19; Aquitania, August 17; Argentino, August 18; Black Eagle, August 27; Black Tern, August 25; Boringuen, August 18; Bremen, August 23; Buenaventura, August 16; Cameronia, August 24; Emile Francqui, August 20; Exeter, August 10; Frontier, August 26; General Gassouin, August 23; Georgic, August 19; Guayaquil, August 2; Harboe Jensen, August 22; Ile France, August 15; Jamaica, August 17; Kolsnaren, August 19; Kongo, August 22; Kungsholm, August 18; Kyosyu, August 23; Marine Trader, August 19; Mormacsun, August 19; Musa, August 17; Naruto, August 22; Nordkap, August 26; Oriente, August 19; Orizaba, August 18; Oslofjord, August 16; Paris, August 24; Pilsudski, August 22; Rex, August 19; San Jacinto, August 20; San Juan, August 20; Santa Barbara, August 19; Santa Elena, August 18; Talamanca, August 20; Thurland Castle, August 13; Tweedbank, August 8; Veendam, August 19; Veragua, August 24; Washington, August 23; West Calumb, August 18; Westernland, August 5; Wichita, August 19

ACETIC ANHYDRIDE—68,580 lbs, Emile Francqui, Antwerp
ACETONE—3,312 lbs, Oslofjord, Oslo
ACID, ACETIC, GLACIAL—1,125 lbs, Agwidale, Tampico
MURIATIC—1,480 lbs, San Jacinto, San Juan; 24,160 lbs, Agwidale, Tampico; 3,700 lbs, Jamaica, Kingston
NITRIC—24,115 lbs, Agwidale, Tampico; 1,130 lbs, Buenaventurn, Cartagena
SULPHURIC—710 lbs, San Jacinto, San Juan; 10,184 lbs, Agwidale, Tampico
ALCOHOL, BUTYL—3,410 gls, Naruto, Osaka
ISOPROPYL—385 gls, Oslofjord, Oslo
ALUMINA SULPHATE — 40,400 lbs, San Jacinto, Mayaguez; 31,497 lbs, Jamaica, Porto Colombia; 5,050 lbs, Talamanca, Havana
ARSENIC—390 lbs, Buenaventura, Cartagena
ASPHALT—122,149 lbs, Emile Francqui, Antwerp; 4,976 lbs, Exeter, Alexandria
LIQUID — 59,161 lbs, Veendam, Rotterdam; 4,557 lbs, Westernland, Antwerp; 25,041 lbs, Mormacsun, Stockholm
BENZOL — 2,759 gls, West Calumb, Buenos Aires
BLACK BONE—19,440 lbs, American Merchant, London
BLEACHING POWDER — 716 lbs, Jamaica Cartagena
BLUE, LAUNDRY—894 lbs, Harboe Jensen, Porto Castilla
ULTRAMARINE—(Nordkap) 6,040 lbs, Montevideo; 3,886 lbs, Buenos Aires
VITRIOL — 2,222 lbs, Musa, Guayaquil; 808,000 lbs, Harboe Jensen, Tela
VITRIOL CRYSTALS — (Harboe Jensen) 444,400 lbs, Porto Barrios; 2,020,000 lbs, Tela
BUTYL ACETATE — (Mormacsun) 3,960 lbs, Helsingborg; 1,760 lbs, Malmo; (Black Tern) 55,790 lbs, Antwerp; 13,260 lbs, Rotterdam
CALCIUM ARSENATE—21,504 lbs, Argentino, Buenos Aires; 280,000 lbs, Musa, Buenaventura
CARBIDE—5,850 lbs, Jamaica, Porto Colombia
CHLORIDE—2,103 lbs, Almena, Porto Plata; 46,670 lbs, Jamaica, Kingston
GLUCONATE—538 lbs, Washington, Havre
PHOSPHATE, TRI—3,383 lbs, Georgic, London
CATTLE DIP—(Jamaica) 5,353 lbs, Porto Colombia; 3,215 lbs, Cartagena
CHEMICALS—2,953 lbs, Veragua, Porto Colombia; 30,150 lbs, Ile de France, Havre; 3,372 lbs, American Shipper, Liverpool
CHLORINE—5,233 lbs, Buenaventura, Guayaquil
LIQUID—(Buenaventura) 5,710 lbs, Porto Colombia; 2,715 lbs, Buenaventura; 2,340 lbs, Port Prince
CLAY—20,400 lbs, American Merchant, London; 4,300 lbs, Georgic, London
COALTAR—4,800 lbs, Talamanca, Havana
COLORS, DRY—2,216 lbs, Veragua, Cartagena
CORNFLOUR—9,056 lbs, Kolsnaren, Trondhjem; 15,510 lbs, Tweedbank, Manila; (Jamaica) 71,000 lbs, Porto Colombia; 5,040 lbs, Kingston
SUGAR—36 540 lbs, Westernland, Antwerp
SYRUP—(Kolsnaren) 12,917 lbs, Norrkoeping; 9,127 lbs, Stockholm-Gothenburg; 12,955 lbs, Kungsholm, Gothenburg
DEXTRIN—7,050 lbs, Oriente, Havana
DICHLORODIFLUOROMETHANE—42,820 lbs, Georgic, London
DICYANDIAMID—110 lbs, American Merchant, London
DIETHYL SULPHATE—11,900 lbs, Black Tern, Antwerp
DRUGS—5,755 lbs, American Merchant, London
DYES—25,687 lbs, Westernland, Antwerp; 3,168 lbs, Veragua, Porto Colombia; 1,480 lbs, Emile Francqui, Reichenberg; 4,965 lbs, Rex, Genoa; 3,168 lbs, Veragua, Porto Colombia; 1,115 lbs, Washington, Hamburg; (Black Tern) 27,765 lbs, Antwerp; 2,424 lbs, Rotterdam
ANILIN—243 lbs, Mormacsun, Gothenburg; 1,271 lbs, Washington, Hamburg
ETHYL FLUID—3,575 gls, Independence Hall, Havre
ETHYLENE DICHLORIDE—8,568 lbs, Naruto, Yokohama
ETHYLENEGLYCOLMONOETHYLETHER — 1,230 lbs. Naruto, Kobe
ETHYLENEGLYCOLMONOBUTYLETHER — 1,234 lbs, Naruto, Kobe
GASOLINE—2,750 gls, Guayaquil, Buenaventura
GLASS, WINDOW—(Talamanca) 3,252 lbs, Cienfuegos; 1,907 lbs, Havana
GLUCOSE—7,767 lbs, Guayaquil, Callao
GLUE—708 lbs, Mormacsun, Stockholm
LABEL—7,140 lbs, West Calumb, Buenos Aires
GRAPHITE—4,774 lbs, Bremen, Bremen
GREASE, INEDIBLE—66,857 lbs, Westernland, Antwerp
LUBRICATING—32,704 lbs, American Merchant, London; 4,280 lbs, Kolsnaren, Stockholm; 6,019 lbs, Oslofjord, Oslo; 2,304 lbs, Cameronia, Glasgow; 1,684 lbs, Kungsholm, Malmo; 2,315 lbs, Independence Hall, Dunkirk; 4,848 lbs, Pilsudski, Gdynia; 7,860 lbs, Thurland Castle, Manila; 4,785 lbs, Westernland, Antwerp; (Tweedbank) 26,415 lbs, Cebu; 3,610 lbs, Iloilo; 14,112 lbs, Manila; 7,815 lbs, Hongkong; 6,024 lbs, Emile Francqui, Antwerp; 3,584 lbs, Ile France, Havre; (Kongo) 66,685 lbs, Yokohama; 105,476 lbs, Osaka; 10,551 lbs, Argentino, Rio Janeiro; 1,100 lbs, Musa, Puntarenas; (Exeter) 8,160 lbs, Oran; 6,842 lbs, Haifa; (Kyosyu) 42,480 lbs, Yokohama; 1,888 lbs, Moji; 93,747 lbs, American Shipper, Manchester; 570 lbs, Naruto, Kobe; (Washington) 2,906 lbs, Dunkirk; 1,812 lbs, Tallinn; 2,535 lbs, Queen Mary, Southampton
GUM, TRAGACANTH—5,737 lbs, Washington, Havre
INK, PRINTING — 52,128 lbs, Argentino, Buenos Aires
INSECTICIDE—45,180 lbs, Santa Elena, La Guaira; 6,011 lbs, Mormacsun, Stockholm
HOUSEHOLD—6,304 lbs, Exeter, Alexandria
LIQUID—18,540 lbs, Kyosyu, Osaka
IRON OXIDE—2,514 lbs, Kolsnaren, Stockholm; 125,675 lbs, Kyosyu, Kobe
ISOPROPYL ACETATE—25,860 lbs, Independence Hall, Havre
KEROSENE—200 gls, Marine Trader, Gustavia
LACQUER, THINNER—2,975 gls, Bremen, Helsingfors
LARD—124,000 lbs, American Merchant, London; (Almena) 30,216 lbs, Porto Plata; 39,168 lbs, Ciudad; 12,710 lbs, San Jacinto, Mayaguez; 94,000 lbs, Santa Elena, La Guaira; 5,425 lbs, Oslofjord, Sandefjord; 2,513 lbs, Aquitania, Southampton; 40,320 lbs, Cameronia, Glasgow; 4,456 lbs, Veendam, Rotterdam; (Westernland) 31,000 lbs, Southampton; 29,046 lbs, Antwerp; 7,830 lbs, San Juan, Ponce; 58,875 lbs, Jamaica, Porto Colombia; (Boringuen) 9,792 lbs, Ciudad; 27,739 lbs, San Juan; 5,906 lbs, Veragua, Belize; 6,613 lbs, American Shipper, Manchester; 67,675 lbs, Georgic, London; 37,543 lbs, Queen Mary, Southampton
LEAD, ARSENATE — 49,280 lbs, Argentino, Buenos Aires
RED—6,018 lbs, Thurland Castle, Manila
LIME SULPHUR — 12,000 lbs, Argentino, Buenos Aires
LINSEED CAKE—(Independence Hall) 226,780 lbs, Havre; 226,238 lbs, Dunkirk; 680,541 lbs, Westernland, Antwerp; 1,888,191 lbs, Emile Francqui, Antwerp; (Black Eagle) 944,411 lbs, Rotterdam; 941,294 lbs, Antwerp; (Black Tern) 1,352,946 lbs, Antwerp; 1,127,011 lbs, Antwerp-Rotterdam-Amsterdam; 452,013 lbs, American Shipper, Liverpool
LITHARGE—1,060 lbs, Veragua, Porto Colombia
LITHOPONE—2,463 lbs, Pilsudski, Gdynia
MAGNESIA OXIDE—10,706 lbs, American Shipper, Liverpool
METHYL CHLORIDE—1,119 lbs, Westernland, Antwerp
MOLASSES—336,000 gls, Frontier, Toronto
MOLYBDENUM, CONCE—72,899 lbs, American Merchant, London; 70,560 lbs, Veendam, Rotterdam; 62,022 lbs, Rex, Genoa
MONOETHANOLAMINE—503 lbs, Black Tern, Antwerp
MURUMURU MEAL—226,240 lbs, Westernland, Antwerp
NAPHTHA—275 gls, Argentino, Santos
OCTYL ACETATE—41 lbs, Black Tern, Antwerp
OIL, AVIATION—2,135 tons, General Gassouin, France
CASTOR—22,600 lbs, Thurland Castle, Manila; 472 lbs, San Juan, Arecibo; 510 lbs, Jamaica, La Union
COALTAR—15,020 lbs, Talamanca, Havana
COCONUT—9,873 lbs, Talamanca, Havana
CORN—4,265 lbs, San Jacinto, San Juan; 4,960 lbs, Santa Elena, Curacao
EDIBLE—604 lbs, Santa Elena, Cape Haitien
FISH—2,356 lbs, Boringuen, San Juan
FLOTATION—4,400 gls, Guayaquil, Buenaventura
LINSEED—2,000 lbs, San Jacinto, Mayaguez
LUBRICATING—3,025 gls, American Merchant, London; (Santa Elena) 18,150 gls, Curacao; 4,625 gls, La Guaira; 935 gls, Kolsnaren, Stockholm; (Oslofjord) 605 gls, Stavanger; 3,404 gls, Trondhjem; 1,670 gls, Bergen; 38,660 gls, Oslo; 4,384 gls, Cameronia, Glasgow; (Kungsholm) 7,150 gls, Gothenburg, 550 gls, Stockholm; 440 gls, Kalmar; 2,350 gls, Malmo; (Independence Hall) 12,210 gls, Havre; 2,915 gls, Dunkirk; (Veendam) 25,525 gls, Rotterdam; 250 gls, Amsterdam; 4,830 gls, Pilsudski, Gdynia; 610 tons, General Gassouin, Denmark; 3,830 gls, Westernland, Antwerp; (Tweedbank) 4,300 gls, Cebu; 3,325 gls, Iloilo; 12,465 gls, Hongkong; 2,200 gls, Shanghai; 15,530 gls, Agwidale, Tampico; 1,650 gls, Jamaica, Porto Colombia; 4,170 gls, Emile Francqui, Antwerp; 1,375 gls, Buenaventura, Port Prince; 2,970 gls, Orizaba, Vera Cruz; 7,784 gls, Ile France, Havre; 8,420 tons, Comanchee, England; (Kongo) 4,125 gls, Yokohama; 9,350 gls, Kobe; 4,125 gls, Mormacsun, Stockholm; 8,652 gls, Rex, Genoa; (Argentino) 5,010 gls, Rio Janeiro; 1,100 gls, Buenos Aires; 3,300 gls, Musa, Mazatlan; (Santa Barbara) 1,265 gls, Buenaventura; 810 gls, Callao; 3,300 gls, Mollendo; 2,530 gls, Veragua, Medellin; (Exeter) 8,008 gls, Marseilles; 1,375 gls, Oran; 5,595 gls, Algiers; 13,420 gls, Alexandria; 1,100 gls, Haifa; (Kyosyu) 18,700 gls, Yokohama; 24,695 gls, Osaka; 23,430 gls, Kobe; 5,880 gls, Black Tern, Antwerp; 14,505 gls, American Shipper, Manchester; 22,000 gls, Nordkap, Rio Janeiro; (Naruto) 8,305 gls, Yokohama; 3,850 gls, Moji; 770 gls, Tsingtao; 4,675 gls, Kobe; 25,877 gls, Georgic, London; (Washington) 27,300 gls, Havre; 25,200 gls, Dunkirk; 10,050 gls, Havre; 7,140 gls, Hamburg; 33 gls, Paris, Havre; (Black Eagle) 1,105 gls, Rotterdam; 1,925 gls, Amsterdam; 2,750 gls, Queen Mary, Southampton
NEATSFOOT—12,734 lbs, Independence Hall, Havre; 4,160 lbs, Exeter, Marseilles
OLEO—47,381 lbs, Kolsnaren, Stockholm; 48,118 lbs, Veendam, Rotterdam; 4,757 lbs, Westernland, Antwerp; 7,178 lbs, Emile Francqui, Antwerp; 14,107 lbs, Black Eagle, Rotterdam; 83,434 lbs, Black Tern, Antwerp
PALE—2,300 tons, General Gassouin, Denmark
PEPPERMINT—509 lbs, Independence Hall, Havre; 604 lbs, Tweedbank, Hongkong
PINE—15,280 lbs, Kyosyu, Yokohama
TRANSFORMER — 5,280 gls, Talamanca, Havana; 3,025 gls, Orizaba, Vera Cruz
VALVE—305 tons, General Gassouin, France
VEGETABLE—4,751 lbs, Talamanca, Havana
WORMSEED—623 lbs, American Merchant, London
PAINT—6,144 lbs, American Merchant, London; (Veendam) 74,078 lbs, Amsterdam; 5,535 lbs, Oslo; 28,810 lbs, Thurland Castle, Manila; (Jamaica) 19,056 lbs, Cartagena; 8,820 lbs, Porto Colombia; 3,573 lbs, Amapala; 2,697 lbs, Talamanca, Havana; 1,584 lbs, West Calumb, Buenos Aires; (Buenaventura) 4,100 lbs, Porto Bolivar; 2,458 lbs, Panama; 2,136 lbs, Colon
COPPER—3,441 lbs, Jamaica, Belize
LIQUID—2,097 lbs, Black Tern, Antwerp
PREPARED—1,406 lbs, Kungsholm, Stockholm; 8,200 lbs, Mormacsun, Stockholm; 1,231 lbs, Rex, Gibraltar; 6,467 lbs, Musa, Tumaco; (Veragua) 4,655 lbs, Cartagena; 7,658 lbs, Porto Colombia; 3,343 lbs, Black Tern, Antwerp
THINNER—10,000 gls, West Calumb, Santos; 1,375 gls, Argentino, Buenos Aires
PARAFFIN — 41,026 lbs, Santa Elena, Maracaibo; 3,114 lbs, Bremen, Bremen; (Oslofjord) 22,407 lbs, Trondhjem; 2,224 lbs, Bergen; 14,459 lbs, Oslo; 34,262 lbs, Westernland, Antwerp; 6,675 lbs, Jamaica, Porto Colombia; 55,554 lbs, Talamanca, Havana; 22,244 lbs, Buenaventura, Amapala; 251,288 lbs, Orizaba, Vera Cruz; 56,504 lbs, Mormacsun, Stockholm; 22,690 lbs, Rex, Genoa; (Santa Barbara) 67,815 lbs, Champerico; 49,242 lbs, Buenaventura; 33,347 lbs, Veragua, Porto Colombia; 1,750 lbs, Kyosyu, Osaka; 24,551 lbs, Black Tern, Antwerp; 67,838 lbs, American Shipper, Manchester
SCALE — 24,332 lbs, Westernland, Antwerp; 15,116 lbs, Rex, Genoa; (Black Eagle) 17,394 lbs, Amsterdam; 12,114 lbs, Rotterdam
PETROLEUM, REFD—6,000 gls, San Jacinto Mayaguez; (San Juan) 7,000 gls, Ponce; 2,000 gls, Aguadilla; 16,000 gls, Borinquen, Ciudad; 5,000 gls, Maine Trader, Barbados
PITCH—160,206 lbs, American Shipper, Manchester
POTASH, CAUSTIC—1,230 lbs, Jamaica, Porto Colombia
RESIN, SYNTH—1,851 lbs, American Shipper, Manchester; 478 lbs, Georgic, London
ROOT—1,151 lbs, Veendam, Rotterdam; 1,147 lbs, Black Eagle, Amsterdam
ROSIN—2,282 lbs, Bremen, Rotterdam; 1,000 lbs, Rex, Genoa; 7,311 lbs, American Shipper, Liverpool
SOAP — 11,200 lbs, San Jacinto, San Juan; 54,060 lbs, Thurland Castle, Manila; (San Juan) 12,819 lbs, Ponce; 11,988 lbs, Aguadilla; 1,920 lbs, Buenaventura, Port au Prince
POWDER—2,760 lbs, Oslofjord, Oslo; 24,000 lbs, Tweedbank, Manila
SODA, ASH—132,315 lbs, Orizaba, Vera Cruz; 25,850 lbs, Guayaquil, Panama; 4,040 lbs, Veragua, Panama
BICARBONATE—16,510 lbs, Thurland Castle, Manila; 36,142 lbs, Agwidale, Tampico; 30,285 lbs, Orizaba, Vera Cruz
BROMIDE—95,040 lbs, Mormacsun, Leningrad
CARBONATE — 1,304 lbs, Jamaica, Cartagena
CAUSTIC—11,446 lbs, Almena, Ciudad; 3,030 lbs, San Jacinto, San Juan; 85,140 lbs, Agwidale, Tampico; 3,600 lbs, Jamaica, Puerto Colombia; (West Calumb) 48,784 lbs, Santos; 57,600 lbs, Montevideo; 534,066 lbs, Orizaba, Vera Cruz
CYANIDE—2,480 lbs, Veragua, Puerto Colombia
HYPOSULPHITE — 5,700 lbs, Talamanca, Havana
METASILICATE — 21,204 lbs, Kolsnaren, Stockholm
PHOSPHATE, TRI — 4,080 lbs, Jamaica, Puerto Colombia
PYROPHOSPHATE—2,375 lbs, Kungsholm, Helsingfors; 510 lbs, Mormacsun, Malmo
SAL—2,025 lbs, Buenaventura, Cartagena
SILICATE—4,000 lbs, Jamaica, Puerto Colombia
SOLVENTS—12,160 lbs, West Calumb, Buenos Aires
STARCH — 2,500 lbs, Boringuen, San Juan; 3,525 lbs, Oriente, Havana
CORN—960 lbs, Santa Clara, Curacao; 800 lbs, San Jacinto, San Juan; 4,512 lbs, Orizaba, Vera Cruz; 1,375 lbs, Veragua, Belize; 27,875 lbs, Black Eagle, Rotterdam; 31,584 lbs, Exeter, Alexandria
TALC—4,540 lbs, Kolsnaren, Stockholm; 25,000 lbs, Talamanca, Havana; 5,033 lbs, Veragua, Puerto Colombia; 4,080 lbs, Georgic, London
TANKAGE—11,135 lbs, Oslofjord, Aalesund
TANNING EXTRACT—21,664 lbs, Buenaventura, Panama
TURPENTINE — 1,000 gls, West Calumb, Buenos Aires
VARNISH—(Jamaica) 1,450 lbs, Cartagena; 1,365 lbs, Puerto Colombia; 917 lbs, Veragua, Puerto Colombia; 1,120 lbs, American Shipper, Liverpool
WITCH HAZEL EXTRACT—1,960 lbs, Black Tern, Antwerp
ZINC OXIDE—250 lbs, Independence Hall, Havre; 2,760 lbs, Georgic, London

Baltimore Exports

Clearance Dates

Crown City, August 31; Falcon, August 23; Irisbank, August 30; Malancha, August 24; Manchester Brigade, August 29; Mormacstar, August 26; McKeesport, August 24; West Isleta, August 26

ACID, CHROMIC—2,200 lbs, Crown City, Hamburg
ASBESTOS REFUSE—4,000 lbs, Crown City, London
ASPHALT, SOLID—(Crown City) 12,434 lbs, London; 1 ton, Bilbao
CADMIUM LITHOPONE—4,768 lbs, McKeesport, London; 1,120 lbs, Crown City, London
COPRA CAKE—100 tons, McKeesport, Hamburg; 200 tons, Crown City, Hamburg
DEXTRIN—4,000 lbs, West Isleta, Durban
FERROMANGANESE—2 tons, Falcon, Valparaiso
GLASS FRIT, CRSHD—40,000 lbs, McKeesport, London; 3,200 lbs, West Isleta, Durban; 15,000 lbs, Manchester Brigade, Manchester
GREASE, LUBRICATING—38,654 lbs, Malancha, London; 562 bbls, McKeesport, Hamburg; 54,398 lbs, Mormacstar, Montevideo; 811 lbs, Crown City, London
INSECTICIDE—22,192 lbs, Falcon, Valparaiso
LEAD, ARSENATE — 33,072 lbs, Falcon, Talcahuano
MERCUROCHROME POWDER—10,000 grams, Crown City, Havre
METHYL CHLORIDE—540 lbs, West Isleta, Capetown
OIL, FLOTATION—20,000 lbs, Falcon, San Antonio
LUBRICATING—79 bbls, Malancha, London; 333 bbls, Mormacstar, Montevideo
OLIVE—320 lbs, McKeesport, Leghorn
OYSTER SHELLS, CRSHD—50 tons, Manchester Brigade, Halifax
PAINT, CEMENT—500 lbs, West Isleta, Salt River
PETROLEUM—10,800 gls, McKeesport, London
POLISH, AUTO—3,000 lbs, West Isleta, Durban
SHOE—892 lbs, Crown City, Havre
POTASH BICHROMATE—4,410 lbs, Crown City, Memel
RUTILE—22,400 lbs, McKeesport, Hull
SOAP POWDER—(Falcon) 10,800 lbs, Colon; 18,000 lbs, Panama
SODA, ALUMINATE—15,848 lbs, Crown City, London
BICHROMATE — 3,347 lbs, McKeesport, Memel; 15,433 lbs, Crown City, Memel
CAUSTIC—896,316 lbs, Irisbank, Shanghai
SOLDER DROSS — 245,200 lbs, Malancha, Bristol; 31,198 lbs, Crown City, Avonmouth
WATERPROOF COMP—3,000 lbs, West Isleta, Salt River

Beaumont Exports

Clearance Dates

Mendocino, August 26; Montello, August 30

GREASE, LUBRICATING—75 bbls, Montello, Genoa
OIL, LUBRICATING—10 dms, 75 ctns, 350 bbls, Montello, Genoa
PETROLEUM, CRUDE—79,818 bbls, Mendocino, Montreal

Boston Exports

Clearance Dates

American Importer, August 28; Black Hawk, August 26; Cingalese Prince, August 25; Edam, August 25; Evangeline, Au-

gust 26; Laconia, August 27; Lady Drake, August 27; Malancha, August 31; McKeesport, August 29; Mormactide, September 1; Nova Scotia, August 29; Saint John, August 29; Yarmouth, August 28; 30; September 1

ALUMINA OXIDE—310 bgs, 100 kgs, 1 bx, 61,774 lbs, Malancha, London
BAKING POWDER—130 bxs, 20 pails, 7 crts, 5,840 lbs, Nova Scotia, St John's, N F
BLUE, LAUNDRY—2 cs, 160 lbs, Yarmouth, Windsor
CEMENT, CAN—15 dms, 2,687 lbs, Laconia, Durban; 35 dms, 8,187 lbs, McKeesport, London
CHEMICALS—21 dms, 777 lbs, McKeesport, London
CLAY—220 bbls, 76,655 lbs, American Importer, Manchester; 217 bbls, 27 tons, Malancha, London
COCOA CAKE—1,843 bgs, 273,608 lbs, Edam, Amsterdam
DISINFECTANT — 10 dms, Cingalese Prince, Hongkong
DRESSING, LEATHER—4 bbls, 16 pails, 2,440 lbs, Black Hawk, Wiltz; 10 dms, 521 gls, Malancha, Walsall
DRUGS—2 crtns, Saint John, Halifax
FERTILIZER, LEATHER SCRAP—59 bls, 36,890 lbs, Malancha, Bombay
FINISH, SHOE—11 kgs, 1,029 lbs, Cingalese Prince, Manila
FISHMEAL—500 bgs, 55,500 lbs, American Importer, Belfast
FLUX—1 dm, 135 lbs, Black Hawk, Rotterdam; 150 dms, 20,250 lbs, McKeesport, London
GREASE, LUBRICATING—14 cs, 504 lbs, Nova Scotia, St John's, N F; 3 pails, 37 lbs, Laconia, Liverpool; 5 dms, 500 lbs, Yarmouth, St John, N B
KEROSENE—50 bbls, 2,750 gls, Nova Scotia, St John's, N F
LACQUER—5 dms, 260 gls, Black Hawk, Antwerp
LARD—100 bxs, 2,800 lbs, Nova Scotia, Liverpool; 350 bxs, 9,800 lbs, Laconia, Liverpool; 2,250 bxs, 91,000 lbs, Malancha, London; 750 bxs, 21,000 lbs, McKeesport, London
LINING COMP—20 dms, 9,528 lbs, Edam, Rotterdam; (Black Hawk) 6 dms, 2,836 lbs, Rotterdam; 32 dms, 2,794 lbs, Antwerp; (McKeesport) 65 dms, 2,990 lbs, Hamburg; 8 dms, 2,622 lbs, London
MEDICINAL PREPS—78 cs, 4,723 lbs, Laconia, Nottingham
MICA, CUT—1 cs, 50 lbs, Yarmouth, Lunenburg, N S
MOLASSES—40 bbls, 2,200 gls, Edam, Rotterdam; 60 bbls, 3,300 gls, Mormactide, Aalborg; (Mormactide) 15 bbls, 15 hlf bbls, 1,260 gls, Aarhus; 129 bbls, and 12 hlf bbls, 7,431 gls, Copenhagen
MUCILAGE—1 pkg, 64 lbs, Lady Drake, Hamilton
OIL, FLOOR—1 dm, 40 gls, Lady Drake, Georgetown
LUBRICATING — 15 dms, Yarmouth, St John, N B; 10 dms, 554 gls, Nova Scotia, St John's, N F; (Laconia) 5 bbls, 284 gls, Madras; 9 cs, 135 gls, Liverpool; 42 cs, 252 gls, Yarmouth, St John, N B
SPEARMINT—1 dm, 408 lbs, Malancha, North Wembley, Eng
PAINT—6 cs, 288 lbs, Yarmouth, St John, N B; 12 cs, 73 gls, Nova Scotia, St John's, N F
REMOVER—1 cs, 8 gls, Nova Scotia, St John's, N F
PASTE, ADHES—1 pkg, 64 lbs, Lady Drake, Hamilton; 100 dms, 4,600 lbs, McKeesport, London
PEANUTS—4 bgs, 354 lbs, Evangeline, Lunenburg, N S
POLYCLYCERIDE EMULSIFIER—2 dms, 697 lbs, Laconia, Liverpool
ROSIN—6 dms, 2,400 lbs, Mormactide, Stockholm
SLATE, CRSHD—570 bgs, 114,000 lbs, McKeesport, Malmo
SOAP—40 cs, 1,235 lbs, Cingalese Prince, Manila
FLAKE—20 cs, 669 lbs, Cingalese Prince, Manila
POWDER—10 cs, 463 lbs, Cingalese Prince, Manila
TAR—600 cs, 18,750 lbs, Cingalese Prince, Manila
TOILET—1,500 cs, 41,625 lbs, Cingalese Prince, Manila
SPICES—2 cs, 240 lbs, Nova Scotia, St John's, N F
TANNING EXTRACT—8 bbls, 3,912 lbs, American Importer, Leeds, Eng
TOILET PREPS—14 cs, 585 lbs, Laconia, Nottingham
VARNISH, SHOE—6 dms, 330 gls, McKeesport, Hamburg
WATERPROOF COMP—60 dms, 3,300 lbs, Yarmouth, St John, N B

Corpus Christi Exports
Clearance Dates

Alabama, August 23; Astral, August 23; Havprins, August 28; Kaia Knudsen, August 28; Pacific Sun, August 24; San Conrado, August 24; Stanbridge, August 28; Varand, August 20

GASOLINE—98,953 bbls, San Conrado, Rio de Janeiro; 5,744 bbls, Kaia Knudsen, Havre; 65,769 bbls, Varand, Rotterdam
OIL, FUEL—42,630 bbls, Stanbridge, Gibraltar
GAS—106,144 bbls, Pacific Sun, Marcus Hook; 2,069 bbls, Havprins, Montreal; 14,440 bbls, Stanbridge, Gibraltar
PETROLEUM, CRUDE—75,569 bbls, Astral, Paulsboro; 64,008 bbls, Alabama, Trieste; 4,637 bbls, San Conrado, Rio de Janeiro; 96,013 bbls, Havprins, Montreal; 100,719 bbls, Kaia Knudsen, Havre

Galveston Exports
Clearance Dates

Augsburg, August 26; Blommersdijk, August 27; Colorado Springs, August 29; Istria, August 29; Listo, August 29; Nashaba, August 25; Nevada, August 23; Pukkastan, August 25; Volunteer, August 25

ASPHALT—20 tons, Volunteer, Hamburg
BLACK, CARBON—12 tons, Nashaba, Genoa; 3,116 bgs, Augsburg, Bremen; 80 cs, Nevada, Havre
CONCENTRATES—75 tons, Colorado Springs, Liverpool
MOLYBDENITE CONCE—440 tons, Blommersdijk, Antwerp
SULPHUR—(Blommersdijk) 120 tons, London; 40 tons, Antwerp; 20 tons, Amsterdam; 1,200 tons, Istria, Marseilles; (Colorado Springs) 500 tons, Liverpool; 1,800 tons, Manchester; 3,000 tons, Listo, Chandles

Houston Exports
Clearance Dates

Augsburg, August 25; Cardita, August 25; Henning Maersk, August 24; Livenza, August 26; Mactra, August 27; Nashaba, August 27; Nevada, August 25; Stella Lykes, August 30; Steel Trader, August 27; Syros, August 30; Volunteer, August 27

BLACK, CARBON—(Nevada) 25 tons, Havre; 20 tons, Dunkirk; 10 tons, Antwerp; 150 tons, Augsburg, Bremen-Hamburg; (Livenza) 662 bgs, Trieste; 141 cs, Susak; 300 bgs, Bourgas; (Nashaba) 332 cs, 3,300 bgs, Genoa; 150 cs, 300 bgs, Genoa-Trieste-Venice; (Steel Trader) 24 cs, Karachi; 5 cs, Bombay; 5 cs, Colombo; 60 cs, Calcutta; (Syros) 326 cs, 4,964 bgs, Havre; 100 cs, 300 bgs, Antwerp; 50 cs, Rotterdam; 50 cs, Antwerp-Ghent
COTTONSEED MEAL—50 tons, Syros, Rotterdam
LIGNIN LIQUOR—5 tons, Nevada, Antwerp; 52 dms, Syros, Antwerp
OIL—(Stella Lykes) 15 tons, Havana; 25 tons, Cristobal
GAS—8,550 tons, Mactra, Holland via Lands End for orders
LUBRICATING—(Nevada) 65 bbls, Havre; 65 bbls, Dunkirk; (Steel Trader) 175 dms, Karachi; 100 dms, Bombay; 180 dms, Calcutta; 10 dms, Volunteer, Hamburg
PETROLEUM, CRUDE—14,000 tons, Henning Maersk, Havre; 11,800 tons, Cardita, Montreal
SULPHUR—598 bgs, Steel Trader, Calcutta

Los Angeles Exports
Clearance Dates

Corrientes, August 24; Davila, August 18; Europa, August 18; Eurymedon, August 17; Kaiyo, August 22; Manoeran, August 23; Mindanao, August 20; Monterey, August 17; Narenta, August 17; Nitiei, August 21; Pierre Claude, August 17; San Cirilo, August 19; Santos, August 18; Weser, August 15; West Camargo, August 18

ACETONE — 23 dms, 8,240 lbs, Narenta, Amsterdam
ACID, BORIC—100 bgs, 11,200 lbs, Eurymedon, Hongkong; (Monterey) 50 bgs, 5,600 lbs, Melbourne; 58 bgs, 6,500 lbs, Sydney; 5 kgs, 68 bgs, 7,730 lbs, Auckland; 4,300 bgs, 480,780 lbs, Weser, Hamburg; (Narenta) 2,000 bgs, 224,000 lbs, Liverpool; 200 bgs, 22,400 lbs, Glasgow
ALCOHOL, ISOPROPYL — 6 dms, 2,150 lbs, Weser, Antwerp
BORATE — (Weser) 6,995 bgs, 1,242,790 lbs, Hamburg; 3,450 sx, 638,620 lbs, Rotterdam
BORAX—100 bgs, 11,020 lbs, Santos, Yokohama; 300 bgs, 33,600 lbs, Eurymedon, Hongkong; 800 cs, 80,000 lbs, Manoeran, Lourenco Marques; (Narenta) 100 bgs, 11,200 lbs, London; 600 bgs, 67,200 lbs, Glasgow; 2,000 bgs, 224,000 lbs, Rotterdam; (Monterey) 17 bgs, 1,900 lbs, Auckland; 20 bgs, 2,240 lbs, Hobart; 705 bgs, 78,840 lbs, Sydney; 190 bgs, 21,280 lbs, Melbourne
BUTYL ACETATE—28 dms, 11,020 lbs, Narenta, Amsterdam
CLAY—4,400 sx, 220,000 lbs, West Camargo, Buenos Aires
GROUND—400 bgs, 40,000 lbs, Narenta, Suez
CLEANER, LIQ—20 dms, 9,900 lbs, Narenta, Rotterdam; 110 lbs, Monterey, Auckland
CORN SYRUP—60 bbls, 44,010 lbs, Eurymedon, Manila
CYANIDE, CRUDE—112 dms, 22,400 lbs, Monterey, Lautoka
ETHYL KETONE—60 dms, 21,960 lbs, Weser, Antwerp
FILM, SCRAP—560 lbs, Weser, Hamburg
GASOLINE—97,554 bbls, 25,461,590 lbs, Davila, Curacao; 98,700 bbls, 25,760,700 bbls, San Cirilo, London; 1,500 dms, 494,070 lbs, Eurymedon, Manila; 8,475 bbls, 2,211,980 lbs, Nitiei, Kure; 2 dms, 520 lbs, Griffco, Santa Rosalia
GYPSUM—720 sx, 72,000 lbs, Monterey, Auckland
INFUSORIAL EARTH—250 bgs, 25,000 lbs, West Camargo, Buenos Aires; 82 bgs, 7,380 lbs, Narenta, London; (Weser) 5 bgs, 400 lbs, Cartagena; 28 bgs, 2,720 lbs, Antwerp; 120 bgs, 11,800 lbs, Bilbao; (Europa) 435 bgs, 44,150 lbs, Rotterdam; 211 bgs, 21,100 lbs, Aarhus; 45 bgs, 4,570 lbs, Corrientes, London
KEROSENE—4 dms, 1,140 lbs, Griffco, Santa Rosalia
DISTILLATE—5,296 bbls, 1,493,470 lbs, Eurymedon, Hongkong
LACQUER, NITROCELLULOSE—5,140 lbs, West Camargo, Rio Janeiro
MOLYBDENUM CONCE—360 sx, 66,430 lbs, Weser, Hamburg; 440 sx, 45,170 lbs, Pierre Claude, Marseilles
OIL, DIESEL—(Kaiyo) 41,748 bbls, 13,025,380 lbs, Nagoya; 41,719 bbls, 13,016,330 lbs, Ofunato
FUEL—46,134 bbls, 15,362,620 lbs, Mindanao, Manila
LEMON—300 lbs, Monterey, Melbourne
LEMON, DIST—250 lbs, Monterey, Prahran
LUBRICATING—500 dms, 244,050 lbs, Santos, Dairen; 4 dms, 1,550 lbs, Griffco, Santa Rosalia; 75 cs, 7,500 lbs, Monterey, Auckland
ORANGE—750 lbs, Monterey, Melbourne
ORANGE, DIST—810 lbs, Weser, Hamburg; 100 lbs, Monterey, Prahran
PAINT—900 lbs, West Camargo, Rio de Janeiro
COMPOUND—2,250 lbs, West Camargo, Rio de Janeiro
PECTIN, CITROUS—38 pkgs, 5,600 lbs, Corrientes, London; 1,000 lbs, Monterey, Melbourne
PETROLEUM, CRUDE—76,003 bbls, 23,712,940 lbs, Nitiei, Kure
PINETAR — 20 dms, 9,640 lbs, Monterey, Sydney
REAGENT — 3 dms, 600 lbs, Monterey, Lautoka
SEAWEED, DRD—3,000 lbs, West Camargo, Rio de Janeiro
SILICATE—100 bgs, 11,020 lbs, West Camargo, Buenos Aires; 300 bgs, 31,360 lbs, Monterey, Melbourne
SODA, ASH—200 bgs, 20,000 lbs, Monterey, Sydney
CARBONATE—8 sks, 800 lbs, Monterey, Sydney
SULPHITE—25 sks, 2,500 lbs, Monterey, Sydney
TALC—200 bgs, 24,640 lbs, West Camargo, Santos
TOILET PREPS—490 lbs, West Camargo, Port Spain; 1,040 lbs, Monterey, Sydney
WOOD FLOUR—2,000 lbs, Monterey, Auckland

Mobile Exports
Clearance Dates

Anubis, August 20; Montello, August 24

ASPHALT, CRUDE—6,000 lbs, Montello, Genoa
OIL, PINE—80 dms, Montello, Genoa; 10 dms, Anubis, Manila
ROSIN—55 dms, Montello, Genoa

New Orleans Exports
Clearance Dates

Cefalu, August 9; Contessa, August 2; Livenza, August 22; Mongiola, August 18; Nashaba, August 13; Nord Atlantic, August 13; Terukawa, August 6

BAKING POWDER—65 ctns, Cefalu, Colon
BENZOL—322,687 gls, Nord Atlantic, Hamburg
BLACK, CARBON—(Terukawa) 31 tons, Yokohama; 13 tons, Kobe; 63 tons, Yokohama-Osaka-Kobe; 25 cs, Nashaba, Genoa; 26 cs, Mongiola, Genoa; 88 sx, Livenza, Bourgas
CHARCOAL, ANIMAL—21 bbls, Cefalu, Chanaral
COALTAR—1 ton, Contessa, Buenaventura
FIRECLAY—2 tons, Terukawa, Yokohama; 5 tons, Contessa, Corinto
GREASE, LUBRICATING — 4 dms, Cefalu, Puerto Cabezas
KEROSENE—25 cs, Contessa, Puerto Cabezas; 25 cs, Cefalu, Puerto Cabezas
LITHOPONE—1,000 sx, Cefalu, Havana
OIL, FUEL—(Contessa) 325 bbls, Puerto Cabezas; 2,400 bbls, Ceiba; 200 bbls, Cefalu, Ceiba
LUBRICATING — (Contessa) 452 dms, Valparaiso; 50 dms, Talcahuano; 7 dms, Puerto Cabezas; 6 dms, Cefalu; (Terukawa) 64 tons, Yokohama; 13 tons, Osaka; (Nashaba) 932 pkgs, Genoa-Trieste; 100 pkgs, Genoa; 101 dms, 114 bbls, Mongiola, Genoa; 130 dms, Livenza, Istanbul
PAINT—(Cefalu) 1 ton, Corral; 1 ton, Puerto Cabezas
PARAFFIN—136 sx, Nashaba, Genoa; 250 sx, Contessa, Tumaco; 204 sx, Mongiola, Genoa; (Livenza) 401 sx, Trieste; 306 sx, Fiume
PETROLEUM, CRUDE—1,924 tons, Terukawa, Takuyama
PRESERVER, WOOD—20 dms, Cefalu, Ceiba
ROSIN—100 dms, Contessa, Talcahuano
WOOD—10 dms, Cefalu, Panama City
SALT—38 tons, Contessa, Havana; 60 tons, Cefalu, Havana
BLOCK—1 ton, Cefalu, Ceiba
SODA, CAUSTIC—(Cefalu) 65 dms, Havana; 43 dms, Ceiba

Norfolk Exports
Clearance Date

Wichita, August 22

ALCOHOL, DEN—80 dms, Wichita, Honolulu
CORNFLOUR—220 bgs, 31,130 lbs, Wichita, Manila
PAINT, LIQ—25 bxs, Wichita, Honolulu
PASTE—10 bxs, Wichita, Honolulu

Philadelphia Exports
Clearance Dates

Artigas, August 31; Astri, September 1; Benedict, September 1; Black Gull, August 30; City of Rangoon, August 30; City of Rayville, August 27; Coldbrook, August 31; Crown City, August 29; Estrella, August 30; Malancha, August 28; Manchester Brigade, August 26; Mormacstar, August 29; San Marcos, August 29; Tana, August 29

ACID, SULPHURIC—1 bx, City of Rayville, Madras
ANTI-KNOCK COMP — (Malancha) 230 dms, London; 60 dms, Abadan; 20 dms, Mormacstar, Buenos Aires; 25 dms, Estrella, Marseilles
ANTIOXIDANT—12 dms, Malancha, Abadan
BLACK, BONE—8 bgs, City of Rayville, Calcutta; 1 pkg, Manchester Brigade, Liverpool
CALCENE—200 bgs, Black Gull, Antwerp
CARAWAY SEED—100 pkgs, Black Gull, Antwerp
CARBON TETRACHLORIDE — 1 dm, Coldbrook, Santos
CHEMICAL SPECIALTY—2 cs, City of Rangoon, Khartoum; 2 cs, Artigas, Dublin
SOL—1 ctn, Malancha, London
CLEANER—4 dms, City of Rangoon, Calcutta
COALTAR INTERMEDIATES—5 pkgs, Manchester Brigade, Manchester; (Mormacstar) 17 dms, 2 bxs, Rio de Janeiro; 4 dms, Buenos Aires
PRODUCTS—63 dms, Mormacstar, Rio de Janeiro
COCOA CAKE—1,600 pkgs, Black Gull, Antwerp
COLLODION COTTON—260 pkgs, Manchester Brigade, Liverpool; 208 bbls, Malancha, London
DEXTRIN—1 bg, Estrella, Porto
DYEWOOD EXTRACT—20 bxs, Tana, Rio de Janeiro
ETHYL FLUID—20 dms, City of Rayville, Suez; 1 dm, Crown City, Havre
GLASS, WINDOW—150 bxs, San Marco, Cristobal
GREASE, LUBRICATING—8 pkgs, Manchester Brigade, Liverpool; 8 pkgs, Black Gull, Rotterdam; 4 pls, 4 ctns, 2 dms, Mormacstar, Buenos Aires; (City of Rangoon) 10 half dms, Karachi; 11 dms, 4 pls, Bombay; 3 cs, Rangoon
GUM, SYNTHETIC—90 pkgs, Manchester Brigade, Manchester
ILMENITE—6 dms, Artigas, Manchester
IRON ORE—1 dm, Malancha, London
LACQUER, BLACK—4 cs, City of Rangoon, Alexandria
WHITE—1 cs, City of Rangoon, Alexandria
THINNER—4 dms, City of Rangoon, Alexandria
LICORICE, PASTE—85 pkgs, Manchester Brigade, Liverpool; 115 pkgs, Black Gull, Rotterdam; 85 cs, 5 dms, Malancha, London
WASTE—100 dms, Malancha, London
LINSEED CAKE—1,494 pkgs, Black Gull, Rotterdam; 604 bgs, Malancha, London; 1,890 pkgs, Artigas, Liverpool
MANGANESE ORE—8 bbls, City of Rangoon, Bombay
MEDICINAL PREPS—(City of Rayville) 5 bxs, Karachi; 83 bxs, Bombay; 70 cs, Calcutta; 4 bxs, Colombo; 3 bxs, Madras, Rangoon; (City of Rangoon) 4 cs, Lahore; 2 cs, Amritsar; 16 cs, Calcutta
NAPHTHA SOLVENT—6 dms, Mormacstar, Buenos Aires
OIL, LUBRICATING—(City of Rayville) 250 dms, Karachi; 70 dms, 140 pls, 690 cs, Bombay; 1,540 dms, 50 pls, Calcutta; 250 dms, Colombo; (Tana) 178 bbls, 90 dms, 935 cs, Rio de Janeiro; 132 cs, Para; 20 dms, Puerto Sastre; 25 dms, 5 bbls, Buenos Aires; (Manchester Brigade) 73 pkgs, Liverpool; 41 pkgs, Birkenhead; 80 pkgs, Manchester; (San Marcos) 28 dms, Paita; 10 dms, Callao; 7 qtr dms, Mollendo; 22 dms, Pimental; 10 dms, Valparaiso; 6 dms, 68 ctns, Santiago de Chile; (Crown City) 1 crate, 40 bbls, Havre; 617 bbls, Hamburg; 126 pkgs, Black Gull, Antwerp; 12 dms, 172 pkgs, 70 bbls, Malancha, London; 48 ctns, 60 dms, Mormacstar, Buenos Aires; (Estrella) 7 bbls, Porto; 53 ctns, 100 cts, 10 bbls, 47 dms, Lisbon; 124 bbls, 10 dms, 802 cs, Leixoes; 30 cs, Bissao; 10 cs, Novo Redondo; 25 pkgs, OIL, LUBRICATING (Continued):—
Benguela; 2 dms, Loanda; 24 pkgs, Port Amboin; 5 dms, San Thome; 30 cs, Praia; 127 dms, 381 cs, Casablanca; 35 pkgs, Tangier; 2 dms, Oudja; 15 dms, 52 cs, Gibraltar; 5 cs, Marseilles; 5 dms, Oran; 7 dms, Tunis; (City of Rangoon) 108 dms, Alexandria; 55 dms, Port Said; 145 dms, Karachi; 282 dms, Bombay; 70 dms, Basrah; 1,245 pkgs, Cochin; 281 pkgs, Colombo; 640 dms, 240 cs, Calcutta; 1,639 dms, 1,500 cs, Bombay; 874 pkgs, Madras; 30 bbls, Artigas, Glasgow; (Astri) 110 cs, 10 bbls, Santos; 225 dms, Buenos Aires; (Benedict) 10 bbls, 2 cs, Penedo; 10 bbls, 3 cs, Villanova; 20 bbls, 65 cs, Cabedello
NEATSFOOT—4 pkgs, Manchester Brigade, Liverpool; 4 bbls, Estrella, Marseilles
PAINT—2 pkgs, Manchester Brigade, Liverpool; (Mormacstar) 27 kits, 11 ctns, Rio de Janeiro; 14 dms, Buenos Aires; 67 ctns, Astri, Buenos Aires
PARAFFIN—(Black Gull) 86 pkgs, Rotterdam; 284 pkgs, Antwerp; 100 bgs, Estrella, Porto; (Artigas) 213 bbls, Manchester; 213 bbls, Liverpool
SCALE—60 bgs, San Marcos, La Plaz
SEMI-REFINED — (San Marcos) 100 bgs, Puerto Colombia; 162 bgs, Guayaquil
PASTE, ADHES—36 ctns, San Marcos, Barranquilla
POLISH, AUTO—(Mormacstar) 2 ctns, Rio de Janeiro; 35 ctns, Buenos Aires
SHOE—(San Marcos) 35 ctns, Barranquilla; 14 ctns, San Jose
RADIATOR SOLDER—12 cs, Mormacstar, Buenos Aires
RUBBING COMP—63 ctns, Mormacstar, Buenos Aires
SEAWEED—10 bbls, Crown City, London
SODA, ASH—1 dm, City of Rayville, Calcutta; 6 bbls, 2 dms, Crown City, Havre
PHOSPHATE, TRI—10 bbls, Artigas, Manchester
TANNING EXTRACT—45 pkgs, Manchester Brigade, Manchester; 23 bbls, Mormacstar, Buenos Aires
TRICRESYL PHOSPHATE—1 dm, Coldbrook, Santos

Port Arthur Exports
Clearance Dates

American Press, August 26; Good Gulf, August 29; Naumburg, August 27; Raila, August 29; Realf, August 25

ASPHALT—400 dms, American Press, Port au Prince; (Naumburg) 1,000 dms, 10 cs, Wellington; 1,162 dms, Lyttelton; 3,278 dms, Auckland; 550 dms, Dunedin; 2,003 dms, Lyttelton-Dunedin
LIQ—234 dms, American Press, San Juan
SOLID—(American Press) 110 dms, Ponce; 90 dms, Arroyo; 125 dms, San Juan
BLENDING FLUID—19 bbls, Raila, Bilbao
GASOLINE—101,303 bbls, Realf, Copenhagen; (Naumburg) 465 bbls, Wellington; 525 bbls, Lyttelton; 400 bbls, Auckland; 475 bbls, Dunedin; 63,524 bbls, Raila, Bilbao
GREASE, LUBRICATING — (Naumburg) 20 dms, 30 cs, Wellington; 10 dms, Auckland; 5 cs, Dunedin
KEROSENE—900 cs, American Press, Port au Prince; 500 cs, Naumburg, Lyttelton
OIL, DIESEL—(Naumburg) 1,000 dms, Auckland; 250 dms, Dunedin
FUEL—4,342 bbls, Good Gulf, Antwerp
GAS—53,371 bbls, Good Gulf, Antwerp
LUBRICATING—12 dms, 2 cs, American Press, San Juan; (Naumburg) 214 dms, Wellington; 23 dms, 25 cs, Lyttelton; 455 dms, 142 cs, Auckland; 99 dms, Dunedin; 20,647 bbls, Good Gulf, Antwerp
PAINT, PREPARED—14 dms, American Press, San Juan
SOLVENT—(Naumburg) 15 dms, Auckland; 400 cs Dunedin
PARAFFIN—(Naumburg) 50 cs, Wellington; 61 bgs, Lyttelton; 100 cs, Auckland

San Francisco Exports
Clearance Dates

Daisan Ogura, August 13; Daphnella, August 15; Europa, August 16; Granville, August 12; Hoegh Silverstar, August 17; J C Fitzsimmons, August 13; Kiyokawa, August 13; Monterey, August 15; Narenta, August 15; Parrakoola, August 13; President Cleveland, August 12; Silverwalnut, August 12; Taranger, August 12; Weser, August 13

ACETONE—(Narenta) 101 dms, England; 124 dms, Holland
ACID, INORGANIC—1 cs, President Cleveland, Hongkong
MURIATIC—3 cs, President Cleveland, Hongkong
SULPHURIC—25 crbys, Hoegh Silverstar, Manila
ALCOHOL—1 cs, Hoegh Silverstar, Al Khobar
AMMONIA—4 cs, Hoegh Silverstar, Al Khobar
ANHYDROUS—440 cyls, Granville, Belawan; 20 cyls, President Cleveland, Pekin
SULPHATE—10,000 sks, President Cleveland, Manila; 10,000 sks, Granville, Iloilo
ANTI-KNOCK COMP—5 dms, J C Fitzsimmons, Vancouver
APRICOT KERNELS—150 sks, Taranger, Holland; 50 sks, Weser, Hamburg; 200 sks, Narenta, Holland; 295 sks, Europa, Copenhagen
ASPHALT—(Granville) 4,043 bbls, Samarang; 500 bbls, Sourabaya; 252 bbls, Singapore; 333 bbls, Cheribon; 8,651 dms, Parrakoola, Australia; 100 dms, 1 crt, Monterey, Australia; 5 dms, Hoegh Silverstar, Al Khobar
CRUDE—298 sks, Taranger, France
LIQUID—320 dms, 100 bbls, Weser, Antwerp
BIOLOGICALS—1 cs, Granville, Hongkong
BITURINE—20 cs, Granville, Manila
BLACK, CARBON—96 sks, President Cleveland, Tokyo; 155 cs, Monterey, Australia
BLEACHING POWDER—14 dms, President Cleveland, Hongkong
BORAX—25 dms, Hoegh Silverstar, Batavia; 80 sks, Monterey, Australia
BRAKE FLUID—1 cs, President Cleveland, Manila
CANARY SEED—20 sks, Silverwalnut, Shanghai; 7 sks, Weser, San Jose de Guatemala
CARBON DECOLORIZING—1 cs, President Cleveland, Hongkong
DEODORIZING—1 cs, 1 dm, President Cleveland, Manila
DIOXIDE—100 cyls, Silverwalnut, Manila
CATGUT, SURGICAL—4 cs, President Cleveland, Hongkong
CEMENT—6 cs, Monterey, Australia
LIQUID—43 dms, Monterey, Australia
ROOF—50 pls, 4 cs, 2 dms, Hoegh Silverstar, Bombay
CHALK, PREPARED—1 cs, Hoegh Silverstar, Batavia; 2 cs, President Cleveland, Manila; 2 cs, Monterey, New Zealand
CHEMICAL COMP—9 cs, Monterey, New Zealand
CHEMICALS—1 cs, President Cleveland, Manila; (Monterey) 1 bdl, New Zealand; 4 cs, Australia; 2 cs, Hoegh Silverstar, Belawan

CHLORINE BLEACH, LIQ—1 cs, President Cleveland, Hongkong; 6 cs, Hoegh Silverstar, Bahrein
CHLOROFORM—6 cs, President Cleveland, Hongkong
CINNAMON—20 bls, Weser, San Jose de Guatemala
CLAY, GRD—1,500 sks, Monterey, Australia
CLEANSER — (President Cleveland) 10 cs, Hongkong; 5 cs, Bangkok; 18 cs, Hoegh Silverstar, Bahrein; 1 cs, Monterey, Apia
AUTO—25 cs, J C Fitzsimmons, Vancouver
BRUSH—1 cs, Hoegh Silverstar, Al Khobar
COALTAR—5 cs, Kiyokawa, Guatemala
COCOA BEANS—69 sks, Monterey, Australia
WASTE—487 sks, Narenta, Holland
COLOR, DRY—20 kegs, President Cleveland, Kobe; (Kiyokawa) 12 bbls, Venezuela; 7 kegs, 25 cs, Guatemala; 1 keg, Monterey, Australia
CRESOL COMPOUND — 3 dms, President Cleveland, Hongkong
DENTIFRICE—2 cs, Monterey, Fiji Islands
DISINFECTANT—1 cs, President Cleveland, Hongkong
DRESSING, AUTO TOP—3 cs, J C Fitzsimmons, Vancouver; 2 cs, Hoegh Silverstar, Al Khobar
LEATHER — 5 cs, President Cleveland, Manila
DYES, LEATHER—2 cs, President Cleveland, Manila
ETHER—13 cs, Silverwalnut, Hongkong
FILTER CLOTH—1 cs, President Cleveland, Manila
FLY SPRAY—150 cs, Granville, Manila; 35 cs, Hoegh Silverstar, Madras
GASOLINE—16,400 bbls, J C Fitzsimmons, Vancouver; 100,000 bbls, Daphnella, Curacao
GILSONITE—(Taranger) 217 sks, France; 31 sks, Holland; 50 sks, President Cleveland, Yokohama; 847 sks, Weser, Hamburg
GINGER ROOT—219 sks, 141 bbls, Monterey, Australia
GLUCOSE—10 cs, President Cleveland, Hongkong; 30 bbls, Granville, Cebu
GLUE, ANIMAL—(Monterey) 1 dm, Australia; 1 dm, New Zealand
GLYCERIN—6 cs, President Cleveland, Hongkong
GREASE, LUBRICATING—1 cs, 2 dms, President Cleveland, Hongkong; 30 dms, Granville, Fremantle; 40 dms, Parrakoola, Australia; 42 dms, 111 cs, 173 pls, J C Fitzsimmons, Vancouver; 267 dms, Monterey, Australia; 50 dms, 1 cs, Hoegh Silverstar, Al Khobar
GRINDELIA ROBUSTA—11 bls, Weser, Hamburg
GUM ESTER—13 dms, President Cleveland, Hongkong
MASTIC—1 can, Granville, Manila
GYPSUM—12 cs, President Cleveland, Hongkong; 4 kegs, Kiyokawa, Guatemala
HOPS—45 cs, President Cleveland, Tokio
INK—1 cs, Granville, Singapore
PRINTING—(President Cleveland) 15 dms, Singapore; 7 dms, Hongkong; 5 pls, 5 dms, 10 half dms, 2 cs, Manila
WRITING — (President Cleveland) 35 cs, Singapore; 40 cs, Hongkong; 131 cs, Manila
INSECTICIDE—5 cs, Kiyokawa, Guatemala; 3 dms, Monterey, Australia
LIQUID—9 cs, President Cleveland, Manila
KELP—38 sks, President Cleveland, Hongkong
LACQUER—2 cs, Granville, Manila; 13 cs, 2 pls, Monterey, New Zealand
THINNER—3 dms, 4 cs, Hoegh Silverstar, Bombay
LEAD ARSENATE—230 cs, Monterey, New Zealand
RED, DRY—(President Cleveland) 14 dms, Hongkong; 8 dms, Manila
WHITE—200 kgs, Granville, Manila
WHITE, DRY — 67 bbls, Hoegh Silverstar, Manila
LITHARGE — (President Cleveland) 14 dms, Hongkong; 6 dms, Manila
LOGWOOD EXTRACT — (President Cleveland) 22 kgs, Osaka; 10 sks, Yokohama; 7 cks, Monterey, Australia
MEDICINAL PREPS—21 cs, President Cleveland, Hongkong; 2 cs, Monterey, Australia
MERCURY BICHLORIDE — 1 cs, President Cleveland, Hongkong
MILK POWDER — (President Cleveland) 10 bbls, Manila; 65 bbls, 28 cs, Hongkong; 275 bbls, Narenta, England
MINERAL SPTS—200 dms, Parrakoola, Australia
MUCILLAGE — (President Cleveland) 13 cs, Singapore; 1 cs, Hongkong; 5 cs, Manila
NIGER SEED—2 sks, Silverwalnut, Shanghai
NITROUS OXIDE—2 crts, Monterey, New Zealand
OIL, BONE—3 dms, Monterey, Australia
COCONUT—10 dms, Silverwalnut, Shanghai; 17 bbls, Monterey, New Zealand; 6 dms, Narenta, Chile
CYLINDER—15 dms, Hoegh Silverstar, Madras
FISH—2 cs, Kiyokawa, Guatemala
FUEL—7 dms, President Cleveland, Hongkong
GAS—7,034 bbls, Silverwalnut, Opon; 6,982 bbls, Granville, Saigon
INSULATING — 1 cs, President Cleveland, Manila
LIME—2 cs, Monterey, Australia
LUBRICATING—75 dms, Silverwalnut, Haiphong; 180 dms, Taranger, France; (President Cleveland) 762 dms, 4 cs, Hongkong; 1 cs, Rangoon; 20 dms Moji; 342 dms, Bangkok; (Granville) 10 dms, 10 cs, Samarang; 300 dms, Bangkok; 925 dms, Hongkong; 45 dms, Iloilo; 205 dms, Manila; 10 cs, 55 dms, Cebu; 410 dms, Saigon; (Parrakoola) 855 dms, Australia; 17 pls, 2 cs, 174 dms, J C Fitzsimmons, Vancouver; (Monterey) 2,389 dms, 1 cs, Australia; 1 cs, Fiji Islands; (Hoegh Silverstar) 145 dms, Al Khobar; 70 dms, Karachi; 95 dms, Madras; 360 dms Bombay
MIXING—2 cs, Kiyokawa, Guatemala
NAPHTHENIC—247 dms, Taranger, Holland
PAINT—5 dms, Monterey, Australia
SALAD—34 dms, President Cleveland, Yokohama
VEGETABLE—100 cs, President Cleveland, Manila
WOOD TREATING—8 dms, J C Fitzsimmons, Vancouver
OXYGEN—4 crts, Monterey, New Zealand
PAINT—45 cs, 25 pls, 3 dms, President Cleveland, Manila; 215 kgs, 81 cs, Granville, Manila; 75 cs, Kiyokawa, Guatemala; (Monterey) 1 cs, Fiji Islands; 2 cs, Australia; 5 cs, New Zealand; 44 cs, 25 pls, Hoegh Silverstar, Al Khobar
AUTO—1 cs, Monterey, New Zealand
ALUMINUM—8 cs, Granville, Manila
ENAMEL—2 cs, Kiyokawa, Guatemala; 25 cs, Hoegh Silverstar, Al Khobar
PASTE—(President Cleveland) 9 kgs, Osaka; 20 kgs, Tokyo; 1 cs, Kiyokawa, Guatemala; 24 pls, Hoegh Silverstar, Al Khobar
THINNER—38 cs, Hoegh Silverstar, Al Khobar
PARAFFIN—125 sks, Narenta, Colombia
PASTE, ADHES—1 cs, Monterey, Australia; 21 cs, President Cleveland, Manila
LIBRARY—(President Cleveland) 4 cs, Singapore; 1 cs, Hongkong; 12 cs, Manila
PEPPER, BLACK—80 sks, Kiyokawa, Cuba
PERFUMERY—6 cs, Monterey, Australia
PETROLATUM—23 dms, President Cleveland, Hongkong
PETROLEUM—38 dms, Monterey, Australia; 1 cs, Narenta, Holland; (Silverwalnut) 20 cs, Saigon; 20 cs, Haiphong; (Granville) 50 dms, 50 cs, Hongkong; 335 dms, Fremantle; 10 cs, J C Fitzsimmons, Vancouver
CRUDE—30,411 bbls, Daisan Ogura
REFINED—50 dms, Granville, Manila
SPIRITS—225 dms, Parrakoola, Australia
PIMENTO—(Monterey) 32 sks, Australia; 32 sks, New Zealand
PINETAR—25 dms, Monterey, Australia
POLISH—2 cs, Monterey, New Zealand
AUTO—5 cs, J C Fitzsimmons, Vancouver; 7 cs, Monterey, Australia
METAL—1 cs, President Cleveland, Singapore; 100 cs, Granville, Manila
POTASH IODIDE—1 cs, President Cleveland, Hongkong
XANTHATE—4 dms, Kiyokawa, Peru
PUTTY—3 kgs, Kiyckawa, Guatemala; 1 cs, Monterey, New Zealand
RHODIUM REPLENISHING SOL—1 cs, President Cleveland, Tokyo
ROSIN, GUM—1 bbl, President Cleveland, Yokohama
SALT—720 sks, President Cleveland, Manila 1,050 cs, Monterey, Australia; 1,600 cs, Monterey, New Zealand
SULPHURIZED—50 cs, Monterey, New Zealand
SILICA, GRD—3 dms, Monterey, New Zealand
SOAP—50 cs, Granville, Manila
FLAKE — 5 cs, President Cleveland, Hongkong
LAUNDRY—8 cs, President Cleveland, Hongkong
POWDER—8 cs, President Cleveland, Hongkong
TOILET — 1,400 cs, Silverwalnut, Shanghai; 750 cs, President Cleveland, Shanghai; 1 cs, Monterey, New Guinea
SODA—50 cs, President Cleveland, Shanghai
SILICATE—30 dms, Monterey, New Zealand
SOLDER, LIQ—1 cs, Hoegh Silverstar, Batavia
SOLVENT, BATHROOM — 5 cs, President Cleveland, Hongkong
SULPHUR—(Monterey) 120 sks, Australia; 500 sks, New Zealand
FLOWERS—22 sks, Monterey, New Zealand
REFINED—15 bbls, 15 sks, Monterey, Australia
TOILET PREPS—(President Cleveland) 4 cs, Hongkong; 404 cs, Manila; (Monterey) 8 cs, New Zealand; 8 cs, Fiji Islands; 2 cs, Australia; 42 cs, Hoegh Silverstar, Karachi
TREE WASH—(Monterey) 313 cs, New Zealand; 40 cs, Australia
TURPENTINE — 16 cs, Hoegh Silverstar, Al Khobar
VANILLA BEANS—3 cs, Weser, Hamburg
VARNISH—1 cs, Monterey, Australia; 10 pls, 23 cs, Hoegh Silverstar, Al Khobar
REMOVER—4 cs, Hoegh Silverstar, Al Khobar
WATERPROOF COMP—10 cs, J C Fitzsimmons, Vancouver; 3 dms, Monterey, Australia; 1 cs, Hoegh Silverstar, Al Khobar
WAX, FLOOR—3 cs, Kiyokawa, Guatemala
POLISHING—5 cs, J C Fitzsimmons, Vancouver
SHOE—1 bbl, President Cleveland, Manila
WOOD PRESERVER — 5 kgs, Kiyokawa, Guatemala
YEAST—60 cs, Silverwalnut, Shanghai
YERBA MATE—6 cyls, 6 csks, 19 bbls, Monterey, Australia
ZINC DUST — 267 dms, President Cleveland, Manila; 160 cs, Monterey, New Zealand

Savannah Exports

Clearance Dates

Charles N Cramp, August 29; Kota Inten, August 30; Maruto, August 25; Mayari, August 29; Port Carolina, August 27; San Rafael, August 25; Silverash, August 27; Satartia, August 25; Trafalger, August 26

CLAY—1,240 bgs, Satartia, Buenos Aires
GLUCOSE—120 bbls, Silverash, Manila
OIL, PINE—(Port Caroline) 3 dms, Melbourne; 11 dms, Freemantle; 1 dm, Adelaide; 15 dms, Trafalgar Tronden (Kota Inten) 10 dms, Sourabaya; 3 dms, Macassar
ROSIN—6 dms, Satartia, Buenos Aires
ROSIN—55 dms, Trafalgar, Gothenburg
GUM—(San Rafael) 15 dms, Port Spain; 50 dms, Cartagena; 100 dms, Barranquilla; (Maruto) 602 bbls, Yokohama; 1,176 bbls, Osaka; 6 bbls, Kobe; 200 bbls, Tsingtao; (Charles N Cramp) 5 bbls, Capetown; 5 bbls, East London; 525 bbls, Durban; 25 bbls, Beira; (Port Caroline) 115 bbls, Brisbane; 416 bbls, 22 bgs, 175 dms, Sydney; 22 bgs, 270 bbls, Melbourne; 60 bbls, Adelaide; (Trafalgar) 504 bbls, 65 dms, Oslo; 44 dms, 400 bbls, Gothenburg; 245 dms, Copenhagen; 1,000 dms, Wiborg; 50 bbls, Helsingfors; 275 bbls, Wasa; 60 bbls, Nartyluoto; 85 bbls, Reval; 22 bbls, Riga; 130 bbls, Czechoslovakia; (Silverash) 50 bbls, Manila; 280 bbls, Shanghai; 150 bbls, Batavia; 100 bbls, Cheribon (Kota Inten) 30 bbls, Singapore; 60 bbls, Bangkok; 200 bbls, 50 dms, Batavia; 200 bbls, Cheribon; 1,000 bbls, Semarang; 450 bbls, Sourabaya; 10 bbls, Macassar
SIZE—(Trafalgar) 248 bgs, Stockholm; 112 bgs, Helsingfors; 895 bgs, Nartyluoto
WOOD—(Port Caroline) 60 dms, Sydney; 45 dms, Melbourne; 5 dms, Fremantle; 5 dms, Adelaide; (Trafalgar) 100 bbls, Oslo; 410 dms, Gothenburg; 65 dms, Helsingfors; 52 dms, Prague; 50 dms, 30 bbls, Silverash, Manila; (Kota Inten) 85 dms, Penang; 50 dms, Singapore; 45 dms, Batavia; 200 dms, Cheribon; 299 dms, Semarang; 101 dms, Sourabaya
TAR, PINE—40 dms, Port Caroline, Melbourne; 6 dms, Trafalgar, Sturgsund
TURPENTINE, GUM—(San Rafael) 10 dms, Valparaiso; 100 cs, Talcahuano; 100 cs, Santiago; 25 cs, Mollendo; (Charles N Cramp) 130 dms, 70 cs, Capetown; 80 cs, Pt Elizabeth; 47 cs, Toulouse, Yokohama; (Port Caroline) 37 dms, 240 cs, Brisbane; 945 cs, 429 dms, Sydney; 920 cs, 125 dms, 20 pails, Melbourne; 25 cs, Fremantle; 195 cs, 65 dms, Adelaide; 70 dms, 60 bbls, Oslo; 6 dms, Sanderford; 197 bbls, Gothenburg; 70 bbls, Stockholm; 300 bbls, Sturgsund; (Silverash) 25 cs, Batavia; 25 cs, Sourabaya
SPIRITS—20 cs, Charles N Cramp, Durban
WOOD—12 dms, Toulouse, Osaka; (Port Caroline) 75 dms, Brisbane; 807 dms, Sydney; 264 dms, Melbourne; 54 dms, Fremantle; 93 dms, Adelaide; 31 cs, 200 dms, Silverash, Manila

Tampa Exports

Clearance Dates

Cardonia, August 27; Kelkheim, August 28; Mount Ossa, August 27; Tatra, August 26; W M Delphia, August 26

GASOLINE—3 dms, W M Delphia, Belize
KEROSENE—10 dms, W M Delphia, Belize
PHOSPHATE—2,499 tons, Tatra, Rotterdam; 8,367 tons, Mount Ossa, Antwerp; 2,991 tons, Cardonia, Czechoslovakia; 3,021 tons, Kelkheim, Landskrona

Coastwise Shipments

Corpus Christi Coast Trade

PETROLEUM, CRUDE—137,448 bbls, Beta, Texas City; 98,386 bbls, R G Stewart, Baytown; 71,460 bbls, Washington, Port Arthur; 30,458 bbls, Federal, Houston; 77,935 bbls, Geo G Henry, Baytown; 140,080 bbls, Wm Rockefeller, Baytown

Galveston Coast Trade

SULPHUR—(Herman Frasch) 1,800 tons, Portland, Ore; 500 tons, Vancouver; 500 tons, Hoquiam; 500 tons, Port Angeles; 1,100 tons, Bellingham

Los Angeles Coast Trade

GASOLINE—6,131 bbls, San Diegan, San Diego; 75,327 bbls, Huguenot, San Francisco; 31,594 bbls, Edwin B de Golio, Tacoma; 7,725 bbls, San Diegan, San Diego; 74,500 bbls, Olney, Baltimore
OIL, DIESEL—5,646 bbls, Huguenot, San Francisco; 5,370 bbls, Edwin B de Golio, Tacoma
FUEL—63,000 bbls, Baldhill, Martinez; 66,000 bbls, Antietan, Seattle; 2,406 bbls, Coast Trader, Portland; 53,177 bbls, Cuyama, San Diego; 51,611 bbls, Topila, San Francisco; 63,000 bbls, Baldhill, Martinez
PETROLEUM, CRUDE—78,852 bbls, La Placentia, Oleum

Cargo Ship Arrivals

September 3 to September 16

New York

Agwidale	Tampico*	Sept 13
Amazone	Maracaibo*	Sept 12
American Merchant	London	Sept 12
American Shipper	Manchester*	Sept 12
Ancon	Cristobal*	Sept 12
Aquitania	Southampton*	Sept 13
Berlin	Bremen*	Sept 12
Black Condor	Antwerp*	Sept 7
Black Heron	Antwerp*	Sept 11
Borinquen	Trujillo*	Sept 12
Bremen	Bremen*	Sept 8
Buenaventura	Port au Prince*	Sept 6
Californian	Tacoma*	Sept 13
Calypso	Maracaibo	Sept 10
Camamu	Santos*	Sept 10
Charles R McCormick	Portland*	Sept 12
Chateau Thierry	Cristobal	Sept 12
Chiriqui	Puerto Colombia*	Sept 15
City of Bath	Calcutta*	Sept 14
City of Hankow	Sydney*	Sept 8
City of Los Angeles	San Francisco*	Sept 12
Cyprla	Marseilles*	Sept 12
Eastern Prince	Buenos Aires*	Sept 14
Excalibur	Jaffa*	Sept 15
Europa	Bremen*	Sept 15
Exermont	Istanbul*	Sept 15
Exhibitor	Mytilene*	Sept 6
Exmoor	Casablanca*	Sept 14
Fort Amherst	St John's*	Sept 15
Fort Townshend	St John's*	Sept 8
Georgic	Southampton*	Sept 11
Gerolstein	Antwerp	Sept 7
Golden Sun	Honolulu*	Sept 7
Gudrun Maersk	Antwerp*	Sept 13
Gunvor	Parimaribo*	Sept 13
Hamburg	Hamburg*	Sept 9
Helga	Valparaiso*	Sept 10
Helvig	Piraeus*	Sept 9
Ida	Trieste*	Sept 15
Iowan	Portland*	Sept 15
Kaimoku	Honolulu*	Sept 9
Kinai	Dairen*	Sept 9
Komaki	Manila*	Sept 12
Kungsholm	Gothenburg	Sept 10
Lihue	Honolulu*	Sept 16
Lillian Luckenbach	Seattle*	Sept 8
Mangalore	Calcutta*	Sept 15
Manaqui	Demerara*	Sept 15
Munargo	Havana*	Sept 15
Nerissa	Trinidad*	Sept 17
New Brunswick	Accra*	Sept 7
New Orleans	Fremantle*	Sept 6
New York	Hamburg*	Sept 16
Niel Maersk	Manila*	Sept 11
Nordfarer	Buenos Aires*	Sept 7
Normandie	Havre*	Sept 12
Oregonian	Portland*	Sept 8
Orizaba	Vera Cruz*	Sept 6
Oslofjord	Oslo*	Sept 10
Pacific	Everett	Sept 12
Palembang	Macassar*	Sept 12
Paris	Havre*	Sept 10
Pastores	Puerto Barrios*	Sept 8
Pennland	Antwerp*	Sept 13
Pilsudski	Gdynia*	Sept 13
Platano	Cristobal*	Sept 7
President Roosevelt	Hamburg*	Sept 10
Puerto Rico	Ponce*	Sept 7
Quirigua	Port Limon*	Sept 11
Rex	Genoa*	Sept 8
Rio Pardo	Ilheos*	Sept 7
Robert Luckenbach	Seattle*	Sept 15
St Mihiel	San Francisco*	Sept 16
San Anselmo	Portland*	Sept 8
San Jacinto	Mayaguez*	Sept 15
San Juan	La Romana*	Sept 12
Santa Rita	Chanaral*	Sept 12
Santa Rosa	Curacao*	Sept 12
Saturnia	Trieste*	Sept 15
Scanpenn	Copenhagen*	Sept 8
Schodack	Havre*	Sept 12
Scythia	Liverpool*	Sept 12
Seatrain Havana	New Orleans*	Sept 6
Seatrain New York	New Orleans*	Sept 13
Siboney	Vera Cruz*	Sept 13
Southern Cross	Buenos Aires*	Sept 7
Steel Seafarer	Penang*	Sept 13
Tatuno	Yokohama*	Sept 10
Telamon	Trinidad*	Sept 15
Texas Banker	Houston*	Sept 13
Thode Fagelund	Montevideo*	Sept 7
Transylvania	Glasgow*	Sept 12
Tuscania	Glasgow	Sept 7
Van Rensselaer	Paramaribo*	Sept 12
Veendam	Rotterdam*	Sept 12
Veragua	Puerto Colombia*	Sept 8
Washington	Hamburg*	Sept 15
Yomachichi	Adelaide*	Sept 15

* And other ports

Recent Charters

FLAXSEED—7,500 tons, S S Gaeta, Bombay to Liverpool, 24s 6d; October
MANGANESE ORE—6,200 tons, S S Nicalaou Georgeos, Poti to Antwerp, 10s 7½d; option Dunkirk, 11s; both ports, 81s 6d; September
PETROLEUM—3,179 tons, S S J J Coney, fuel oil, Gulf to North of Hatteras, 17c; September
5,969 tons, S S Seirstad, dirty, Aruba to United Kingdom, Continent, 10s; September-October
4,351 tons, S S ——, clean, Gulf to Montreal, 27c barrel; September
5,901 tons, S S Caledonia, dirty, Aruba to Teneriffe, 7s 3d; September-October
PETROLEUM (Continued):—
4,860 tons, S S Beduin, dirty, California to New Zealand, 22s; October-November
6,791 tons, S S Don Jose, California to Hongkong; September, private terms
SALT—6,800 tons, S S Storviken, Aden to Chittagong; September
ZINC CONCENTRATES—7,300 tons, S S Loch Rauza, Port Pirie to United Kingdom, Continent, 30s; September-October

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act or did not comply with other customers regulations, included the following articles for the reasons stated:—

New York

Week Ended September 7

Balsam, 5 cases; restricted use.
Cardamom, 4 cases; filthy.
Codliver oil, 60 barrels; not U.S.P.
Codoil, technical, 220 tons; restricted use.
Cumin seed, 56 bags; filthy.
Insecticide, 4 cases; false and misleading statements.
Mace, 10 cases; filthy.
Medicinal preparations, 1 package; false and misleading statements.
Medicinal preparations, 132 cases; false therapeutic claims.
Pollack liver oil, 136 drums; restricted use.

Boston

Week Ended September 7

Medicinal preparations, 3 packages; false therapeutic claims.
Medicinal preparations, 2 cases; false therapeutic claims; alcohol not declared.

Buffalo

Week Ended September 7

Medicinal preparation, 1 package; false therapeutic claims.

Los Angeles

Week Ended September 1

Cassia, 50 bales; filthy.
Shelled peanuts, 309 bags; filthy and decomposed.

San Francisco

Week Ended September 1

Medicinal preparations, 200 pieces; false therapeutic claims.
Medicinal preparations, 36 pieces; short weight.
Shelled peanuts, 140 bags; filthy.
Sesame seed, 30 bags; filthy.

Seattle

Week Ended September 1

Dill seed, 35 bags; filthy.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any direct office or co-operative office of the bureau, and not to this publication. When writing give the number of the item:—

Albumen, blood:—Agency; Helsinki, Finland (7728).
Acid, boric:—Agency; Prague, Czechoslovakia (7701).
Acid, chromic:—Agency; Prague, Czechoslovakia (7701).
Casein:—Agency; Helsinki, Finland (7728).
Chemicals:—Agency; Habana, Cuba (7674).
Cleaners:—Agency; Prague, Czechoslovakia (7701).
Drugs:—Agency; Habana, Cuba (7674).
Drugs:—Agency; Calcutta, India (7686).
Formaldehyde:—Agency; Prague, Czechoslovakia (7701).
Hydrogen peroxide:—Agency; Prague, Czechoslovakia (7701).
Lecithin:—Agency; Prague, Czechoslovakia (7701).
Medicines, proprietary:—Agency; Calcutta, India (7686).
Medicines, proprietary:—Agency; Calcutta, India (7688).
Menthol, crystals:—Purchase; Singapore, Straits Settlements (7729).
Oil, peppermint:—Purchase; Singapore, Straits Settlements (7729).
Petroleum jelly:—Agency; Prague, Czechoslovakia (7701).
Polishes:—Agency; Prague, Czechoslovakia (7701).
Pyroxylin plastic sheets:—Purchase; Keatsheuvel, Netherlands (7719).
Resins, synthetic:—Purchase; Warsaw, Poland (7737).
Resins, synthetic:—Purchase; Warsaw, Poland (7739).
Rosin, light and dark:—Purchase; Buenos Aires, Argentina (7687).
Sodium perborate:—Agency; Prague, Czechoslovakia (7701).
Toothpaste:—Agency; Granada, Nicaragua (7705).
Turpentine:—Purchase; Holmside, England (7735).

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 59 John Street, New York

Agencies Wanted

MANAGING DIRECTOR of English old-established chemical manufacturers and agents, widely experienced in world export markets, visiting New York, September 8th to September 17th, wishes to represent American manufacturers. Specialties include solvents, fertilizers, insecticidal and general chemicals, also new lines. Personal technical and commercial attention. BOX 989, Oil Paint and Drug Reporter.

Agents Wanted

SALES REPRESENTATION wanted in the following cities by a manufacturer of mineral and chemical pigments. Only concerns with established following are desired. References are required which will be strictly investigated. Boston Mass.; Providence, R. I.; Baltimore, Md.; Washington, D. C.; Richmond, Va.; State of Florida; Birmingham, Ala.; New Orleans, La.; Pittsburgh, Pa.; Cleveland, Ohio; Cincinnati, Ohio; Akron, Ohio; Indianapolis, Ind.; Buffalo, N. Y.; Detroit, Mich.; Grand Rapids, Mich.; Milwaukee, Wis; Minneapolis and St. Paul, Minn.; Kansas City, Mo.; State of Texas; Toronto, Canada; Los Angeles, Cal.; Columbus, Ohio; Toledo, Ohio. BOX 986, Oil, Paint and Drug Reporter.

EUROPEAN firm wants representatives in the U.S.A. for sale of insecticide (barium fluosilicate). Address: "Insecticide." BOX 104, Oil, Paint and Drug Reporter.

Capital Offered

CAPABLE and industrious executive will invest up to $25,000 for half-interest in a going business in chemical or allied field. Prefer business requiring additional capital and services for expansion. BOX 106, Oil, Paint and Drug Reporter.

Equipment Offered

CONSOLIDATED OFFERS.—Ten No. 3 Rotex sifters, motor driven; two 24-inch Mikro pulverizers; twelve vacuum dryers, shelf and rotary type; nine W. & P. mixers; five Sweetland filters; twenty plate type filter presses; thirty centrifugal machines; miscellaneous; rotary dryers, pulverizers, jacketed kettles, etc. Send for complete listing. We buy and sell from a single item to a complete plant. Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

Equipment Offered

FOR SALE—Two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FIND WHAT you want right in New York City. Pony mixers, post mixer, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street, SPring 7-8955.

Factories Offered

BRICK FACTORY, two story, 9,000 sq. ft. floor space, elevator, live steam available, yard, unrestricted district in Brooklyn. Rent $100 month, which includes steam heat. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Merger Wanted

CALIFORNIA MANUFACTURER of protective products used in waterproofing concrete field and allied technical materials open to negotiations to become associated with international paint or chemical concern able to furnish financial backing as subsidiary. These technical products are shipped all over the world with tremendous sales markets open for the materials. Require plants in West, East, South, and Europe. BOX 628, Pasadena, California.

Positions Vacant

COLOR MATCHER wanted by manufacturer of dry mineral pigments; experience in manufacture of synthetic yellow oxides and chromium oxide desirable; excellent opportunity for superior man; state age. BOX 107, Oil, Paint and Drug Reporter.

PHARMACEUTICAL CHEMIST — Newly organized, mid-western company wants experienced pharmaceutical chemist to assume full charge and responsibility in laboratory making complete line ampuls, pills, tablets, liquids, ointments, suppositories, etc., with analytical work incidental thereto. Require unquestioned references as to character, reliability, sobriety and experience. In reply state age, married or single, connections past ten years, length of time with each, reasons for leaving and salary expected. Investment in business optional. This opportunity offers good future. Incomplete applications not considered. BOX 112, Oil, Paint and Drug Reporter.

Positions Vacant

VARNISH MAKER—Thoroughly experienced in research, formulation, manufacture and control of lithographic, metal decorating and synthetic varnishes. Thorough knowledge of these vehicles absolutely essential. Give complete personal details and past experience. New plant. BOX 111, Oil, Paint and Drug Reporter.

Positions Wanted

PHARMACEUTICAL Production Chemist. Capable full manufacturing responsibility or act as assistant actual production or research and development new specialties. Practical experience in every type pharmaceutical production, labels and literature. Salary reasonable. BOX 992, Oil, Paint and Drug Reporter.

CHEMIST, chemical engineer, Ph.D., 13 years diversified experience in industrial organic chemistry, including research and development, sales service, and patent application and prosecution. Creative, resourceful, and co-operative. Particular experience in synthetic materials, plastics and resins. Age 39. BOX 995, Oil, Paint and Drug Reporter.

EXPORT position or foreign assignment wanted by young man having ten years' foreign trade experience large American industrial chemical manufacturer, including four years sales and branch management capacity South America. American; college graduate; age 31; knows Spanish, oral and written; moderate salary. BOX 998, Oil, Paint and Drug Reporter.

PAINT and varnish maker of the first caliber wants to manage small paint and varnish business with a view to increase business and make it successful. Produces the best selling flat whites, gloss whites, enamels, varnishes and a full line. A good volume of profitable business is assured. BOX 102, Oil, Paint and Drug Reporter.

YOUNG MAN seeks position, sales or office, in New York or nearby area. Over fifteen years with a national paint and varnish manufacturer. Wide buyer acquaintance. Fine experience. Complete resume upon request. Christian. Married. Age 36. BOX 103, Oil, Paint and Drug Reporter.

PRODUCTION ENGINEER, coaltar oils, intermediates, and dyes; graduate chemical engineer. Mechanical efficiency expert. Handle men successfully. Twenty years experience. BOX 105, Oil, Paint and Drug Reporter.

Positions Wanted

YOUNG CHEMIST, Ph.D. Vienna University, well trained in inorganic, organic analytics and synthesis, seeks position as analyst or research chemist. Apply to P. H. Lowy, 238 E. Northampton street, Wilkes-Barre, Pa.

EXECUTIVE SALES manager, Philadelphian, seeks early connection with reliable manufacturer; hospitals, surgicals, pharmaceuticals, chemicals or allied products; Eastern States territory preferred. BOX 108, Oil, Paint and Drug Reporter.

SALES EXECUTIVE, successfully identified with chemical and allied interests for twenty years, offers his services in any capacity where out of the ordinary capabilities or unusual combination of training and experience is required. BOX 109, Oil, Paint and Drug Reporter.

PILL and tablet specialist, medicinal; efficient, practical, and intelligent supervision; general manufacturer of all pharmaceutical and private formula products. Can furnish excellent references. BOX 110, Oil, Paint and Drug Reporter.

Services Offered

CHEMISTS and chemical engineers—If you are now unemployed, send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

ENGLISH SOAP and dentifrice manufacturer offers manufacturing, storage and distribution facilities to American firms opening up in England and British Empire. Write BOX Z. A. 1000, Deacons Advertising Agency, St. Mary Axe., London.

Surplus Stock

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

CHECK INVENTORIES — Cash for any quantity, surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

The Most Important Thing . . .

—in buying used machinery is the integrity of the seller. Wise buyers say "Buy with Confidence—Buy Consolidated's Guaranted Good Rebuilt Machinery*."

CONSOLIDATED PRODUCTS CO., Inc.
15-17-19 Park Row, New York City BArclay 7-0600
Plant: Newark, N.J. Cable: EQUIPMENT N. Y.

*See "Equipment Offered" above, for our Classified Listings.

Bids Wanted

Chrome Green:—500 pounds; Purchasing and Contracting Officer, Quartermaster Corps, Fort Benning, Ga.; procurement 148-19, opening September 13.

Dibutyl Phthalate:—26,800 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 180, opening September 14.

Dimethylaniline:—10,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 199, opening October 3.

Dinitrotoluene:—89,200 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 179, opening September 14.

Diphenylamine:—9,200 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 201, opening October 3.

Glue, Animal:—2,150 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; procurement 130, opening September 15.

Casein:—2,700 pounds; Contracting Officer, Air Corps, Wright Field, Dayton, Ohio; procurement 130, opening September 15.

Hexachlorethane:—3,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 88, opening September 19.

Lead, White:—3,000 pounds; Purchasing and Contracting Officer, Quartermaster Corp., Fort Benning, Ga.; procurement 148-19, opening September 13.

Naphthalene, Flake:—14,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-41, opening September 15.

Nitrocellulose:—776,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 178, opening September 14.

Oil, Fuel:—Supplies, region 6, during period beginning September 20; Procurement Division, Branch of Supply, Treasury Department, Washington, D. C.; procurement 15428-SP, opening September 14.

Supplies, region 3, during three, six or nine months beginning October 1; Procurement Division, Branch of Supply, Treasury Department, Washington, D. C.; procurement 15799-FO, opening September 15.

Supplies, region 6, during three, six, or nine months period beginning October 1; Procurement Division, Branch of Supply, Treasury Department, Washington, D. C.; procurement 15769-FO, opening September 15.

Supplies, region 5, during a three, six, or nine months' period beginning October 1; Procurement Division, Branch of Supply, Treasury Department, Washington, D. C.; procurement 15817-FO, opening September 19.

Linseed:—620,000 pounds of raw for Norfolk; Bureau of Supplies and Purchases, Navy Department, Washington, D. C.; schedule 4349, opening September 23.

Sulphochlorinated:—1,100 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 185, opening September 16.

Paint, Dry Water:—20,000 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton; procurement 137, opening September 20.

Salt, Rock:—50,000 pounds in bulk; Quartermaster Supply Officer, General Depot, Fort Sam Houston, Tex.; procurement 503-59, opening September 19.

Scouring Compound:—4,200 pounds of powder; Procurement Division, Branch of Supply, Treasury Department, Washington, D. C.; procurement 4528-S, opening September 16.

Soap, Castile, White:—6,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-41, opening September 15.

Powder:—23,000 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton; procurement 118, opening September 13.

Soda Ash:—10,000 pounds of powdered; Commanding Officer, Springfield Arsenal, Mass.; procurement 60, opening September 16.

Hyposulphite:—81,000 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton; circular 120, opening September 12.

Varnish:—1,250 gallons of mixing for aluminum paint; Commanding Officer, Picatinny Arsenal, N. J.; procurement 183, opening September 14.

Wax, Paraffin:—5,200 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton; procurement 131, opening September 19.

Contracts Awarded

Chloroform:—788 pounds; awarded to the Conray Products Company, this city, by the Edgewood Arsenal, Md., at 19.8c. a pound; procurement 56, opened August 17.

Soda Bicarbonate:—3,200 pounds; awarded to Industrial Distributors, Inc., N. Y., by the Picatinny Arsenal, N. J., at 7.3c. per pound; procurement 962, opened June 2.

Soap, Laundry:—18,000 pounds; awarded to Armour & Co., St. Louis, by Army Engineers Corp, St. Louis, at 3.2c. per pound; procurement 13, opening July 25.

Cosmetic Guaranty Form Suggested by Toilet Goods Ass'n

In response to requests from distributors for information on the form of guaranty that should be asked of cosmetic manufacturers under the new Copeland food, drug, and cosmetic act, Hugo Mock, counsel for the Toilet Goods Association, has suggested the following:—

We, the undersigned, guarantee to the best of our knowledge and belief that our products bearing our name are not adulterated or misbranded within the meaning of the Federal food, drug and cosmetic act and that our advertising claims, labels, and circulars prepared by us conform to the Federal trade commission act as amended.

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES

FIRST MACHINERY CORP.

419 Lafayette St. New York, N.Y.
F M G
LIQUIDATORS APPRAISERS
Cable: EFFEMCY

Dividends Declared

Class and period.	Amt.	Pay.	Record.
Abbott Laboratories Pfd. (Q)	$1.12½	Oct. 15	Oct. 1
Abbott Laboratories Com. (Q)	.40	Sept. 30	Sept. 14
Armour & Co. Pfd. (Q).	1.75	Oct. 1	Sept. 10
California Ink Co. Com. (Q)	.50	Sept. 20	Sept. 8
Clorox Chem. Co. Com. (Q)	.75	Sept. 26	Sept. 15
Dewey & Almy Chem. Co. Pfd. (Q)	1.75	Sept. 15	Sept. 8
Dewey & Almy Chem. Co. Class B Pfd. (Q).	1.75	Sept. 15	Sept. 8
Dominion Tar & Chem. Co., Ltd., Pfd. (Q)..	1.37½	Nov. 1	Oct. 12
Glidden Co. Pfd. (Q)...	.56¼	Oct. 1	Sept. 16
International Salt Co. Com. (Q)	.37½	Oct. 1	Sept. 19
Lindsay Light & Chem. Co. Pfd. (Q)	17½	Sept. 20	Sept. 9
Mid-West Rubber Reclaim Co. Pfd. (Q)...	1.00	Sept. 1	Aug. 20
Monsanto Chem. Co. Com. (Q)	.50	Sept. 15	Sept. 1
Mathieson Alkali Co. Com. (Q)	.37½	Sept. 30	Sept. 7
Quaker Oats Co. Com. (Q)	1.25	Sept. 25	Sept. 1
Quaker Oats Co. Pfd. (Q)	1.50	Nov. 30	Nov. 11
Sunray Oil Corp. Pfd. (Q)	.68¾	Oct. 1	Sept. 3
Swift & Co. Com. (Q).	.30	Oct. 1	Sept. 1
Texon Oil & Land Co. Com.	.15	Sept. 30	Sept. 9
Union Carbide & Carbon Corp.	.40	Oct. 1	Sept. 2
Welch Grape Juice Co. Com.	.10	Sept. 27	Sept. 19

Index to Advertisements

Advance Solvents & Chemical Corp.... 64
Alexander, Jerome 47
American Agricultural Chemical Co.... —
American-British Chem. Supplies, Inc.. 30
American Can Co. ..... —
American Cyanamid & Chem. Corp..12, 13
American Flange & Mfg. Co..... —
American Potash & Chemical Corp.... —
Anderson-Prichard Oil Corp..... —
Ansbacher-Siegel Corp..... —
Apex Chemical Co., Inc..... —
Ashcraft-Wilkinson Co..... 24
Atlantic Refining Co. ..... —
Atlantic Research Products, Inc..... —
Atlas Powder Co..... —

Barium Reduction Corp..... 26
Barrett Company 28, 55
Barsky & Strauss, Inc..... 47
Benzol Products Co..... —
Binney & Smith Co..... 32
Bradley, A. J., Mfg. Co..... 34
Brode Corp., The..... 40
Brown, Leland Laboratories..... 47
Bureau of Chemistry..... 47
Bush, W. J., & Co., Inc..... 51

Calco Chemical Co..... 35
California Fruit Growers Exchange.... 16
Calvert, Robert 47
Campbell, Harry T., Sons Co..... 33
Carbide & Carbon Chemicals Corp..... —
Carey, The Philip Co..... —
Carpinello, Michael J., Inc..... 47
Chemical Solvents, C. P., Inc..... 64
Church & Dwight Co..... 1
Clarendon Refining Co..... —
Colledge, E. W., Gen. Sales Agent, Inc. —
Colton, Arthur, Co..... 64
Columbia Alkali Corp..... 10
Columbian Carbon Co..... 32
Conewango Refining Co..... —
Consolidated Products Co., Inc..... 62
Continental Can Co. ..... —
Continental Carbon Co..... —
Cooper, Chas., & Co..... 46
Cooper, T. G., & Co., Inc..... —
Crosby Naval Stores Co..... 33

Darling & Co..... —
Day Chemical Co..... 47
Deep Rock Oil Corp..... 54
Dewey & Almy Chemical Co..... 34
Diamond Alkali Co..... 25
Dicalite Co. 31
Dodge & Olcott Co..... 50
Doggett, Stanley, Inc..... —
Dow Chemical Co..... 44
Draper Mfg. Co..... —
Dunkel, Paul A., & Co., Inc..... —
DuPont de Nemours, E. I., & Co..... —

Eastern Steel Barrel Corp..... 34
Eastman Kodak Co..... 46
Electro Bleaching Gas Co..... —
Ellis-Foster Co. 47
Emery Industries, Inc..... 39
Exporters & Manufacturers Translation Bureau 47

Fezandie & Sperrle..... —
First Machinery Corp..... 62
Fluorine Products ..... —
Food Research Laboratories, Inc..... 47
Frank, Jacobus F..... 49
Frank-Vliet Co. 49
Franks Chemical Products Co..... 34
Freeport Sulphur Co..... —
Fritzsche Bros., Inc.....51, 53
Fulton Bag & Cotton Mills..... 26

Gable, Howard S., Co..... —
General Drug Co. ..... —
General Dyestuff Corp. 63
General Electric Co. ..... —
Gesell, R., Inc..... 46
Givaudan-Delawanna, Inc..... —
Goodman, Rex, M. D..... 47
Gray, William S., & Co..... 1
Gray Industrial Laboratories..... 47
Greeff, R. W., & Co., Inc..... 43
Gross, A., & Co..... 39
Gruman, J. B., & Co..... 58

Hardesty, W. C., Co., Inc..... 39
Harshaw Chemical Co..... —
Heekin Can Co..... —
Heyden Chemical Corp..... 43
Hinde & Dauch Paper Co..... —
Hochstadter Laboratories 47
Holt, C. J., & Co., Inc..... 47
Hopkins, J. L., & Co..... 40
Huisking, Chas. L., & Co., Inc..... —
Hutchinson, D. W., & Co., Inc..... 51

Imperial Oil & Gas Products Corp..... —
Imperial Paper & Color Corp..... 33
Independent Mfg. Co..... 40
Industrial Chemical Sales Div..... 38
Industrial Consulting Labs., Inc..... 47
Innis, Speiden & Co..... —
International Pulp Co. 33
International Selling Corp. 26
Irvington Smelting & Refining Works.. 24

Jackson, L. N., Co., Inc..... 39
Jones & Laughlin Steel Corp..... 29
Jungmann & Co., Inc..... —

Kellogg, Spencer, & Sons, Inc..... 34
Kentucky Color & Chemical Co..... 34
Kessler Chemical Corp..... 45
Knight, B. H..... 47
Koppers Co. 29
Koster Keunen 41
Krebs Pigment & Color Corp..... 15

Laning, E. M., & Co., Inc..... 47
LaWall & Harrisson..... 47
Lewis, John D., Inc..... 33
Lueders, Geo., & Co..... —

Magnetic Pigment Co..... —
Magnus, Mabee & Reynard, Inc..... 51
Mallinckrodt Chemical Works..... —
Manion Steel Barrel Co..... —
Martens, Johan C., & Co..... —
Mathieson Alkali Works, Inc..... —
Mathieu, A. H., & Co..... 1
Merck & Co..... —
Metasap Chemical Co..... —
Miel, George A..... 47
Minnesota Specialty Co..... —
Molnar Laboratories 47
Monsanto Chemical Co..... 42
Munch, James, Co..... 47
Mutual Chemical Co. of America..... 27

National Aniline & Chemical Co., Inc.. —
National Lead Co. 2
National Milk Sugar Co., Inc..... 45
National Oil Products Co..... —
National Rosin Oil & Size Co..... —
Natural Products Refining Co..... 27
Neuberg, William, Inc..... 45
Neville Co. 30
New Jersey Zinc Co..... —
N. Y. Quinine & Chemical Works, Inc.. 6
Niacet Chemicals Corp..... 27
Niagara Alkali Co..... —
N. V. Potash Export My, Inc..... —

Oldbury Electro Chemical Co..... 26
Orbis Products Corp..... 49
Orthmann Laboratories, Inc..... 47
Osborn, C. J., Co..... 33

Pacific Coast Borax Co..... 1
Pacific Vegetable Oil Corp..... 34
Paramet Chemical Corp..... 35
Parsons, M. W..... 45
Pease Laboratories, Inc..... 47
Penick, S. B., & Co..... 48
Pennsylvania Coal Products Co..... —
Pennsylvania Oil Products Refining Co. 64
Pennsylvania Refining Co. ..... —
Pennsylvania Salt Mfg. Co..... —
Pfaltz & Bauer, Inc..... —
Pfizer, Chas., & Co., Inc..... 23
Phelps-Dodge Refining Corp..... —
Polachek, Z. H..... 47
Potash Company of America..... 56
Pressed Steel Tank Co..... 63
Prior Chemical Corp..... 1
Procter & Gamble.....39, 44
Publicker Commercial Alcohol Co..... 1
Purdy, W. S., Co., Inc..... 47
Pure Calcium Products Division..... 1

Quaker Oats Co..... —

Reilly Tar & Chemical Corp..... 29
Rosenthal, H. H., Co., Inc..... 64
Royster Chemical Works..... 24
Ryland, H. C., Inc..... 51

Sadtler, Samuel P., Sons, Inc..... 47
St. Joseph Lead Co..... —
Schimmel & Co., Inc..... —
Schofield-Donald Co., Inc..... 45
Schwabacher, S., & Co., Inc..... —
Schwarz Laboratories, Inc..... 47
Seil, Putt & Rusby, Inc..... 47
Sharples Solvents Corp..... 8
Shell Petroleum Co..... 19
Sherka Chemical Co., Inc..... —
Sherwood Petroleum Co., Inc..... 53
Skelly Oil Co..... 18
Slomon, Ira I..... 47
Smith, Kline & French Laboratories... 45
Snell, Foster D., Inc..... 47
Solvay Sales Corp..... —
Sonneborn, L., Sons, Inc..... 64
Standard Ultramarine Co..... 34
Starlight Refining Co..... 53
Stauffer Chemical Co..... 24
Stechert, G. E., & Co..... 46
Stillwell & Gladding..... 47
Stroock & Wittenberg Corp..... 31
Sun Oil Co..... —

Taintor Trading Co..... —
Tamms Silica Co..... —
Tar & Chemical Div. of Koppers Co... 29
Tennessee Corp. ..... —
Texas Gulf Sulphur Co., Inc..... 55
Thornton, The F. C., Co., Inc..... —
Thurston & Braidich..... 49
Titanium Pigment Corp..... —
Todd, A. M., Co..... —
Turner, Joseph, & Co..... 24

Union Carbide & Carbon Corp..... —
U. U. Industrial Alcohol Co. ..... —
U. S. Industrial Chemical Co. ..... —
U. S. Phosphoric Products Corp..... —
United States Potash Co..... —

Vanderbilt, R. T., Co..... 33
Victor Chemical Works..... 26
Viking Distributing Co..... 53
Vitamerican Oil Co., Inc..... 45
Vorce, L. D..... 47

Wah Chang Trading Corp..... 40
Wecoline Products, Inc..... 40
Weiss & Downs, Inc..... 47
Wheeling Corrugating Co..... 36
White Tar Co. of N. J., Inc..... 29
Wiley & Co., Inc..... 47
Will & Baumer Candle Co..... 41
Williams, C. K., & Co..... 34
Wilson & Bennett Mfg. Co..... 35
Wishnick-Tumpeer, Inc..... —
Woburn Degreasing Co. of N. J..... 39
Wolf, Jacques, & Co..... —
Wood Preserving Corp..... 29

EULAN

•THE PERMANENT MOTHPROOFING AGENT

Give *your* fabrics permanent protection against the ravages of moths—with EULAN—and win the gratitude and sales approval of thousands of modern shoppers.

GDC

GENERAL DYESTUFF CORPORATION

435 HUDSON STREET, NEW YORK, N. Y.

HACKNEY TOGGLE-TITE CLOSURE Assures Full Protection to Contents--Easier, Faster Handling

Hackney removable head drums and barrels equipped with the patented cadmium plated Toggle-tite closures afford important economies in the shipping and handling of solid and viscous materials which do not flow readily through an ordinary bung.

The head, fitting securely over the outward curl of the top edge of the container, is locked *air tight* when the ring is in the closed position. Easy opening and closing is provided by the handle-equipped forged eccentric. Adjustments can be made before or after the closure is locked.

The head and ring may be removed separately when desired. The Toggle-tite closure, located on the side of the container is fully protected by the outward curl and does not interfere with the stacking of the container.

There are no inward projections in Hackney removable head drums and barrels. Cleaning, filling and emptying can be done easily and quickly. The smooth interior, characteristic of Hackney containers, eliminates a common source of contamination.

Complete information about the entire ine of Hackney Removable Head barrels and drums will be forwarded on request. There is no obligation.

Hackney MILWAUKEE

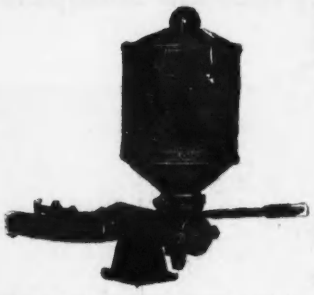
PRESSED STEEL TANK COMPANY

508 S. La Salle St., Rm. 1143, Chicago 1453 So. 66th Street, Milwaukee, Wis. 1319 Vanderbilt Concourse Bldg., N. Y. 662 Roosevelt Bldg., Los Angeles, Calif.

Containers for Gases, Liquids and Solids

PETROLEUM EXTENDERS
Textile Spirits Lactol Spirits Kemsolene
CHEMICAL SOLVENTS
Incorporated
11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OIL and PETROLATUM
FOR ALL PHARMACEUTICAL, COSMETIC and INDUSTRIAL PURPOSES
L. SONNEBORN SONS, INC.
Refiners of White Oil and Petrolatum — Refineries: Petrolia and Franklin, Pa.
New York 88 Lexington Avenue
Los Angeles 215 West 5th Street
Chicago 400 West Madison Street
Southwestern Distributors: Sonneborn Bros., 2111 Taylor St., Dallas, Tex.

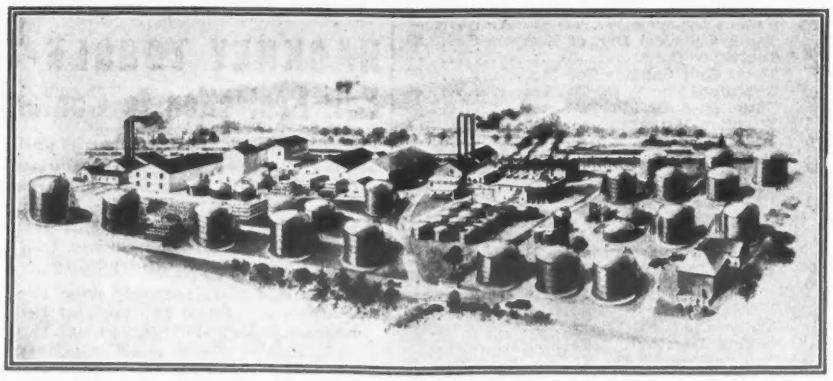


No. 12 Can or Tube FILLER
For Filling Colors in Oil or Japan. Adjustable to any capacity up to 1 quart.
Write for quotations
ARTHUR COLTON CO.
2624 East Jefferson Avenue
DETROIT :: MICHIGAN

An American Contact
CHEMICALS DRUGS OILS WAXES
Our organization has broad purchasing and selling experience, expert knowledge of all products, enabling us to give foreign firms service facilities equivalent to their own American office.
Correspondence invited.
H. H. ROSENTHAL CO., Inc.
Cable Address "Radrug" All Codes
25 East 26th Street, New York City

ADVANCE SOLVENTS
gives you assurance of
PURITY . . UNIFORMITY
DEPENDABILITY
in these essential products
SODIUM SULPHIDE 60-62% TRICHLORETHYLENE
CRYOLITE SYNTHETIC DICHLORETHYLENE
PERCHLORETHYLENE METHYLENE CHLORIDE
ADVANCE SOLVENTS & CHEMICAL CORPORATION
245 FIFTH AVENUE, NEW YORK, N. Y.

AMERICAN ELDROL
WHITE MINERAL OILS
U. S. P. AND TECHNICAL PETROLATUMS
WHITE OILS, Technical
In the general manufacture of
COSMETIC AND TOILET PREPARATIONS
These White Oils find widespread use
•
Outstanding values are offered



We also manufacture and offer the highest grades of
U. S. P. White Oils and Petrolatums, U. S. P.
WE INVITE YOUR INQUIRIES
PENNSYLVANIA OIL PRODUCTS REFINING COMPANY
WARREN PENNSYLVANIA

ER